



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at [wvOASIS.gov](http://wvOASIS.gov). As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at [WVPurchasing.gov](http://WVPurchasing.gov) with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.



## Header 5

List View

## General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 702868

SO Doc Code: CRFQ

Procurement Type: Central Contract - Fixed Amt

SO Dept: 1300

Vendor ID: VS0000010082



SO Doc ID: STO2000000002

Legal Name: MSys Inc

Published Date: 6/2/20

Alias/DBA:

Close Date: 6/10/20

Total Bid: \$442,000.00

Close Time: 13:30

Response Date: 06/10/2020



Status: Closed

Response Time: 13:02

Solicitation Description: Addendum No 2 Supplemental Staffing for Microsoft Applicatio



Total of Header Attachments: 5

Total of All Attachments: 5



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 702868

**Solicitation Description :** Addendum No 2 Supplemental Staffing for Microsoft Applicatio

**Proc Type :** Central Contract - Fixed Amt

Date issued	Solicitation Closes	Solicitation Response	Version
	2020-06-10 13:30:00	SR 1300 ESR06102000000007447	1

VENDOR
VS0000010082 MSys Inc

**Solicitation Number:** CRFQ 1300 STO2000000002

**Total Bid :** \$442,000.00

**Response Date:** 2020-06-10

**Response Time:** 13:02:31

**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Melissa Pettrey  
 (304) 558-0094  
 melissa.k.pettrey@wv.gov

**Signature on File** **FEIN #** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Temporary information technology software developers	2000.00000	HOUR	\$88.000000	\$176,000.00

Comm Code	Manufacturer	Specification	Model #
80111608			

Extended Description : Year 1 / Individual 1

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Temporary information technology software developers	2000.00000	HOUR	\$88.000000	\$176,000.00

Comm Code	Manufacturer	Specification	Model #
80111608			

Extended Description : Year 1 / Individual 2

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Temporary information technology software developers	500.00000	HOUR	\$90.000000	\$45,000.00

Comm Code	Manufacturer	Specification	Model #
80111608			

Extended Description : Three (3) Month Renewal Option Individual 1

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Temporary information technology software developers	500.00000	HOUR	\$90.000000	\$45,000.00

Comm Code	Manufacturer	Specification	Model #
80111608			

Extended Description : Three (3) Month Renewal Option Individual 2



**Purchasing Division**  
**2019 Washington Street East**  
**Post Office Box 50130**  
**Charleston, WV 25305-0130**

**State of West Virginia**  
**Request for Quotation**  
**34 -- Service - Prof**

**Proc Folder:** 702868

**Doc Description:** Supplemental Staffing for Microsoft Application Development

**Proc Type:** Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2020-05-15	2020-06-01 13:30:00	CRFQ 1300 STO2000000002	1

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

**Vendor Name, Address and Telephone Number:**

MSys, Inc.  
 1025 Connecticut Ave, NW Suite 1000  
 Washington, DC 20036  
 Phone: (202) 629-0353 x 701

**FOR INFORMATION CONTACT THE BUYER**

Melissa Pettrey  
 (304) 558-0094  
 melissa.k.pettrey@wv.gov

Signature X

FEIN #

DATE

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION**

**Request for Quotation**

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia State Treasurer's Office (STO or Agency) to establish a contract for Supplemental Staffing Services for Microsoft Application Development per the specifications and terms and conditions as attached hereto.

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Temporary information technology software developers	2000.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

**Extended Description :**  
Year 1 / Individual 1

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Temporary information technology software developers	2000.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

**Extended Description :**  
Year 1 / Individual 2

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Temporary information technology software developers	500.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

**Extended Description :**  
Three (3) Month Renewal Option  
Individual 1

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Temporary information technology software developers	500.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

**Extended Description :**  
Three (3) Month Renewal Option  
Individual 2

## INSTRUCTIONS TO VENDORS SUBMITTING BIDS

**1. REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

**2. MANDATORY TERMS:** The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

**3. PREBID MEETING:** The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening

A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting  
Revised 01/09/2020



are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

**4. VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: 05/22/2020 @ 3:00 P.M.

Submit Questions to: **Melissa Pettrey, Senior Buyer**  
2019 Washington Street, East  
Charleston, WV 25305  
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)  
Email: [melissa.k.pettrey@wv.gov](mailto:melissa.k.pettrey@wv.gov)

**5. VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

**6. BID SUBMISSION:** All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:  
Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

**SEALED BID:** Supplemental Staffing/MS Application Development  
**BUYER:** Melissa Petrey, Senior Buyer  
**SOLICITATION NO.:** CRFQ STO2000000002  
**BID OPENING DATE:** 06/01/2020  
**BID OPENING TIME:** 1:30 P.M.  
**FAX NUMBER:** 304-558-3970

Revised 01/09/2020

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to an Expression or Interest or Request for Proposal is not permitted in wvOASIS.

**For Request For Proposal ("RFP") Responses Only:** In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus           N/A           convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)

Technical

Cost

**7. BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: 06/01/2020 @ 1:30

Bid Opening Location: Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

**8. ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

**9. BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

**10. ALTERNATE MODEL OR BRAND:** Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the

equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

**11. EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

**12. COMMUNICATION LIMITATIONS:** In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

**13. REGISTRATION:** Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

**14. UNIT PRICE:** Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

**15. PREFERENCE:** Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at:  
<http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

**15A. RECIPROCAL PREFERENCE:** The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: <http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

**16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:** For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or

minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

**17. WAIVER OF MINOR IRREGULARITIES:** The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

**18. ELECTRONIC FILE ACCESS RESTRICTIONS:** Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

**19. NON-RESPONSIBLE:** The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance.”

**20. ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

**21. YOUR SUBMISSION IS A PUBLIC DOCUMENT:** Vendor’s entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

**DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.**

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled “confidential,” “proprietary,” “trade secret,” “private,” or labeled with any other claim against public disclosure of the documents, to include any “trade secrets” as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

**22. INTERESTED PARTY DISCLOSURE:** West Virginia Code § 6D-1-2 requires that the vendor submit to the Purchasing Division a disclosure of interested parties to the contract for all contracts with an actual or estimated value of at least \$1 Million. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission prior to contract award. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

**23. WITH THE BID REQUIREMENTS:** In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.6. This authority does not apply to instances where state law mandates receipt with the bid.

## **GENERAL TERMS AND CONDITIONS:**

**1. CONTRACTUAL AGREEMENT:** Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

**2. DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

**2.1. "Agency" or "Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

**2.2. "Bid" or "Proposal"** means the vendors submitted response to this solicitation.

**2.3. "Contract"** means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

**2.4. "Director"** means the Director of the West Virginia Department of Administration, Purchasing Division.

**2.5. "Purchasing Division"** means the West Virginia Department of Administration, Purchasing Division.

**2.6. "Award Document"** means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

**2.7. "Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

**2.8. "State"** means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

**2.9. "Vendor" or "Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

**3. CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

**Term Contract**

**Initial Contract Term:** **Initial Contract Term:** This Contract becomes effective on UPON AWARD and extends for a period of ONE (1) year(s).

**Renewal Term:** This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to ONE (1) successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

**Alternate Renewal Term** – This contract may be renewed for \_\_\_\_\_ successive \_\_\_\_\_ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

**Delivery Order Limitations:** In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

**Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within \_\_\_\_\_ days.

**Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within \_\_\_\_\_ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for \_\_\_\_\_ year(s) thereafter.

**One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

**Other:** See attached.

**4. NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.

**5. QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

**Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

**Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

**Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

**One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

**6. EMERGENCY PURCHASES:** The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

**7. REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

**BID BOND (Construction Only):** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

**PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award.



**LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

**MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

**LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

**8. INSURANCE:** The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

**Commercial General Liability Insurance** in at least an amount of: One Million minimum per occurrence.

**Automobile Liability Insurance** in at least an amount of: One Million minimum per occurrence.

**Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: One Million minimum per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

**Commercial Crime and Third Party Fidelity Insurance** in an amount of: \$250,000 minimum per occurrence.

**Cyber Liability Insurance** in an amount of: One Million minimum per occurrence.

**Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

**Pollution Insurance** in an amount of: \_\_\_\_\_ per occurrence.

**Aircraft Liability** in an amount of: \_\_\_\_\_ per occurrence.

Notwithstanding anything contained in this section to the contrary, the Director of the Purchasing Division reserves the right to waive the requirement that the State be named as an additional insured on one or more of the Vendor's insurance policies if the Director finds that doing so is in the State's best interest.

**9. WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

**10. [Reserved]**

**11. LIQUIDATED DAMAGES:** This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

N/A \_\_\_\_\_ for \_\_\_\_\_

Liquidated Damages Contained in the Specifications

**12. ACCEPTANCE:** Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

**13. PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

**14. PAYMENT IN ARREARS:** Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

**15. PAYMENT METHODS:** Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

**16. TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

**17. ADDITIONAL FEES:** Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

**18. FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

**19. CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

**20. TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.

**21. APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

**22. COMPLIANCE WITH LAWS:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

**SUBCONTRACTOR COMPLIANCE:** Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

**23. ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

**24. MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

**25. WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

**26. SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

**27. ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

**28. WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

**29. STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

**30. PRIVACY, SECURITY, AND CONFIDENTIALITY:** The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

**31. YOUR SUBMISSION IS A PUBLIC DOCUMENT:** Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

**DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.**

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

**32. LICENSING:** In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

**SUBCONTRACTOR COMPLIANCE:** Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

**33. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

**34. VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

**35. VENDOR RELATIONSHIP:** The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

**36. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

**37. PURCHASING AFFIDAVIT:** In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

**38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE:** This Contract may be utilized by other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts (“Other Government Entities”), provided that both the Other Government Entity and the Vendor agree. Any extension of this Contract to the aforementioned Other Government Entities must be on the same prices, terms, and conditions as those offered and agreed to in this Contract, provided that such extension is in compliance with the applicable laws, rules, and ordinances of the Other Government Entity. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

**39. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

**40. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at [purchasing.requisitions@wv.gov](mailto:purchasing.requisitions@wv.gov).

**41. BACKGROUND CHECK:** In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider’s employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Revised 01/09/2020



Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

**42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS:** Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
- c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
- d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

**43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL:** In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a

“substantial labor surplus area”, as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

**44. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE:** W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

**45. PROHIBITION AGAINST USED OR REFURBISHED:** Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

\_\_\_\_\_  
(Name, Title)

\_\_\_\_\_  
(Printed Name and Title)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Phone Number) / (Fax Number)

\_\_\_\_\_  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

\_\_\_\_\_  
(Company)

\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)

\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Phone Number) (Fax Number)

REQUEST FOR QUOTATION  
Supplemental Staffing for Microsoft Application Development

---

SPECIFICATIONS

**1. PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia State Treasurer's Office (STO or Agency) to establish a contract for Supplemental Staffing Services for Microsoft Application Development.

**1.1 OVERVIEW:** The STO has a variety of legacy web and desktop applications that need to be reviewed for compliance with modern software development standards and compliance with modern security standards. Due to the number of developers that have worked in the Agency over the past 10-20 years, these applications may or may not have source code available. In the absence of source code, applications will need to be reviewed from a functionality standpoint and recreated from scratch.

The STO is in the process of implementing a new source code control system utilizing GitHub Enterprise server on premise. The STO does not currently have a code repository solution as the legacy system that was in use had issues that made it unusable. All the source code for STO applications, for which source code is available, is currently stored either on a server or on a developer's workstation or network drive.

It is estimated that this project will take 12-24 months to complete. If additional time/work is required to complete beyond one year, the Agency and Vendor will mutually agree upon a renewal for a three-month cycle but in no case shall the total project exceed 24 months.

It is anticipated that this project will begin no later than July 1, 2020

**2. DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

**2.1 "Contract Services"** means the professional application developer supplemental staffing services as more fully described in these specifications.

**2.2 "Pricing Page"** means the pages, contained wvOASIS or attached hereto as Exhibit A, upon which Vendor should list its proposed price for the Contract Services.

**2.3 "Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

REQUEST FOR QUOTATION  
**Supplemental Staffing for Microsoft Application Development**

---

**3. QUALIFICATIONS:** Vendor, or Vendor's staff if requirements are inherently limited to individuals rather than corporate entities, shall have the following minimum qualifications:

- 3.1. Individuals must have current Microsoft .NET web development experience and provide examples of recent projects undertaken, preferably with the bid response, or no later than two days upon request.
- 3.2. Individuals must have a minimum of five (5) years of recent, concurrent Microsoft .NET web development experience.
- 3.3. Individuals must have experience with Microsoft Visual Basic and ASP development in the event an older legacy application is written in those languages. Any such application will need to be rewritten as a Microsoft .NET application.
- 3.4. Individuals must be familiar with Visual Basic .NET as most applications are written in the language and all new and modified source code will need to be written in this language.
- 3.5. Individuals must have experience with database-driven applications and knowledge of Microsoft SQL Server database design and development of stored procedures.
- 3.6. Individuals must have experience with using source code control, specifically GIT, and will be expected to 'check in' all source code, both reviewed and written, into the chosen code control repository solution
- 3.7. Vendor should provide resumes for the staff, preferably with the bid response, that will be assigned to the project and will be expected to provide references upon request. All such information shall be provided no later than two days of request.

**4. MANDATORY REQUIREMENTS:**

**4.1 Mandatory Contract Services Requirements and Deliverables:** Contract Services must meet or exceed the mandatory requirements listed below.

4.1.1 Individuals will be tasked with migrating all reviewed or re-written applications' source code into the new source code repository. It is anticipated that no more than two (2) individuals will be required for this supplemental staffing.

4.1.1.1 Write basic technical documentation for all reviewed or re-written applications, including such things as dependencies (files, jobs, etc.); purpose of the application; and any other important information about the application. This will be a 'living' document and will be stored in source code control alongside code.

REQUEST FOR QUOTATION  
**Supplemental Staffing for Microsoft Application Development**

---

- 4.1.1.2 Embed Comments into any application code written that is specific and relative to Code section for clarity and reference so that another development can follow source code logic in order to maintain the code base in the future.
- 4.1.2 Individuals will be required to work on-site to facilitate communication with STO staff. The work site location is 322 70<sup>th</sup> Street SE, Charleston, WV 25304.
  - 4.1.2.1 Individuals will be expected to work 40-hour work weeks, with no overtime billing.
  - 4.1.2.2 The option of working either five, 8-hour days; or four, 10-hour days is available.
  - 4.1.2.3 Individuals assigned to this project will not be expected to, and cannot bill for, work on holidays observed by the STO.
- 4.1.3 Vendor, and Individuals, agree that the STO will periodically review all code and documentation produced.
  - 4.1.3.1 Vendor agrees that the STO reserves the right to terminate any of the individuals assigned to the project and request a new resource if the work produced is not acceptable.
  - 4.1.3.2 Replacement staffing shall meet or exceed the minimum requirements established in Section 3 and be approved by the STO before such assignment is made.
  - 4.1.3.3 Should it become necessary for an Individual to be replaced due to circumstances unrelated to project performance, the replacement staff shall meet or exceed the minimum requirements established in Section 3 and be approved by the STO before such assignment is made.

**5. CONTRACT AWARD:**

- 5.1 Contract Award:** The Contract is intended to provide Agency with a purchase price for the Contract Services. The Contract shall be awarded to the Vendor that provides the Contract Services meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages for Year 1.
- 5.2 Pricing Page:** Vendor should complete the Pricing Page by inserting its Hourly Fee for each individual to be provided. Vendor should complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Vendor's bid being disqualified.

REQUEST FOR QUOTATION  
**Supplemental Staffing for Microsoft Application Development**

---

Vendor should type or electronically enter the information into the Pricing Pages through wvOASIS, if available, or as an electronic document

- 6. PERFORMANCE:** Vendor and Agency shall agree upon a schedule for performance of Contract Services and Contract Services Deliverables, unless such a schedule is already included herein by Agency. In the event that this Contract is designated as an open-end contract, Vendor shall perform in accordance with the release orders that may be issued against this Contract.
- 7. PAYMENT:** Agency shall pay by an hourly fee schedule on a monthly basis, as shown on the Pricing Pages, for all Contract Services performed and accepted under this Contract. Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.
- 8. TRAVEL:** Vendor shall be responsible for all mileage and travel costs, including travel time, associated with performance of this Contract. Any anticipated mileage or travel-related costs may be included in the flat fee or hourly rate listed on Vendor's bid, but such costs will not be paid by the Agency separately.
- 9. FACILITIES ACCESS:** Performance of Contract Services may require access cards and/or keys to gain entrance to Agency's facilities. In the event that access cards and/or keys are required:
  - 9.1.** Vendor must identify principal service personnel which will be issued access cards and/or keys to perform service.
  - 9.2.** Vendor will be responsible for controlling cards and keys and will pay replacement fee, if the cards or keys become lost or stolen.
  - 9.3.** Vendor shall notify Agency immediately of any lost, stolen, or missing card or key.
  - 9.4.** Anyone performing under this Contract will be subject to Agency's security protocol and procedures.
  - 9.5.** Vendor shall inform all staff of Agency's security protocol and procedures.

REQUEST FOR QUOTATION  
Supplemental Staffing for Microsoft Application Development

---

**10. VENDOR DEFAULT:**

**10.1.** The following shall be considered a vendor default under this Contract.

**10.1.1.** Failure to perform Contract Services in accordance with the requirements contained herein.

**10.1.2.** Failure to comply with other specifications and requirements contained herein.

**10.1.3.** Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

**10.1.4.** Failure to remedy deficient performance upon request.

**10.2.** The following remedies shall be available to Agency upon default.

**10.2.1.** Immediate cancellation of the Contract.

**10.2.2.** Immediate cancellation of one or more release orders issued under this Contract.

**10.2.3.** Any other remedies available in law or equity.

**11. MISCELLANEOUS:**

**11.1. Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

**Contract Manager:** Raj Thiyagarajan

**Telephone Number:** (202) 629-0353 x 701

**Fax Number:** 510-280-7352

**Email Address:** bw@msysinc.com



REQUEST FOR QUOTATION  
Supplemental Staffing for Microsoft Application Development

---

**EXHIBIT A**  
**PRICING PAGE**

Quantities listed below are estimates only and shall be used for evaluation purposes only. The Agency will only pay for actual hours worked. The per-hour fee per individual shall be inclusive of all costs, administrative expenses, and travel related expenses per the general terms and conditions, and specifications. Note: Vendors are not permitted to change this Pricing Page.

**Year 1 – Individual # 1**

<b>2,000 hours (estimate)</b>	<b>x</b>	<b>\$ 88.00</b> hourly rate	<b>=</b>	<b>\$ 176,000.00</b> annual cost <b>(a)</b>
-----------------------------------	----------	-----------------------------	----------	--

**Year 1 – Individual # 2**

<b>2,000 hours (estimate)</b>	<b>x</b>	<b>\$ 88.00</b> hourly rate	<b>=</b>	<b>\$ 176,000.00</b> annual cost <b>(b)</b>
-----------------------------------	----------	-----------------------------	----------	--

**Year 2 – Optional Renewal Term (Three Month Cycles) – Individual # 1**

<b>500 hours (estimate)</b>	<b>x</b>	<b>\$ 90.00</b> hourly rate	<b>=</b>	<b>\$ 45,000.00</b> each 3-month cost
---------------------------------	----------	-----------------------------	----------	---------------------------------------

**Year 2 – Optional Renewal Term (Three Month Cycles) – Individual # 2**

<b>500 hours (estimate)</b>	<b>x</b>	<b>\$ 90.00</b> hourly rate	<b>=</b>	<b>\$ 45,000.00</b> each 3-month cost
---------------------------------	----------	-----------------------------	----------	---------------------------------------

**Award will be based on the total cost of Year 1 for both individuals.**

**Total Cost for Supplemental Staff (a+b)**

**\$ 352,000.00**

---

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

State of \_\_\_\_\_

County of \_\_\_\_\_, to-wit:

Taken, subscribed, and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

My Commission expires \_\_\_\_\_, 20\_\_.

**AFFIX SEAL HERE**

**NOTARY PUBLIC** \_\_\_\_\_

**ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.:**

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

*(Check the box next to each addendum received)*

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

MSys, Inc.

\_\_\_\_\_  
Company

  
\_\_\_\_\_  
Authorized Signature

Jun 10, 2020

\_\_\_\_\_  
Date

**NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.**

STATE OF WEST VIRGINIA  
Purchasing Division  
**PURCHASING AFFIDAVIT**

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: MSys Inc.

Authorized Signature: \_\_\_\_\_ Date: 6/2/2020

State of California

County of Alameda, to-wit:

Taken, subscribed, and sworn to before me this 02<sup>nd</sup> day of June, 2020.

My Commission expires 12-02-, 2021.

**AFFIX SEAL HERE**



**NOTARY PUBLIC** \_\_\_\_\_

*Purchasing Affidavit (Revised 01/19/2018)*



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation  
 34 — Service - Prof

Proc Folder: 702868

Doc Description: Addendum No 1 Supplemental Staffing for Microsoft Applicatio

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2020-05-26	2020-06-04 13:30:00	CRFQ 1300 STO2000000002	2

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number:

MSys, Inc.  
 1025 Connecticut Ave, NW Suite 1000  
 Washington, DC 20036  
 Phone: (202) 629-0353 x 701

**FOR INFORMATION CONTACT THE BUYER**

Melissa Pettrey  
 (304) 558-0094  
 melissa.k.pettrey@wv.gov

Signature X

FEIN #

DATE

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION:**

Addendum

Addendum No. 1 is being issued to publish and distribute the attached information to the vendor community.  
 \*\*\*\*\*

Request for Quotation

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia State Treasurer's Office (STO or Agency) to establish a contract for Supplemental Staffing Services for Microsoft Application Development per the specifications and terms and conditions as attached hereto.

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Temporary information technology software developers	2000.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

Extended Description :  
 Year 1 / Individual 1

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Temporary information technology software developers	2000.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

Extended Description :  
 Year 1 / Individual 2

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Temporary information technology software developers	500.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

**Extended Description :**  
Three (3) Month Renewal Option  
Individual 1

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Temporary information technology software developers	500.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

**Extended Description :**  
Three (3) Month Renewal Option  
Individual 2

# SOLICITATION NUMBER: STO2000000002

## Addendum Number: 1

---

The purpose of this addendum is to modify the solicitation identified as STO2000000002 ("Solicitation") to reflect the change(s) identified and described below.

### Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

### Description of Modification to Solicitation:

- 1. To move Bid Opening to 06/04/2020 @ 1:30 P.M. ET**
- 2. Responses to Vendor questions will be published in a subsequent addendum.**

**Additional Documentation:** Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

### Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.



**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: STO2000000002**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

MSys, Inc. \_\_\_\_\_  
Company

 \_\_\_\_\_  
Authorized Signature

Jun 10, 2020 \_\_\_\_\_  
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation  
 34 — Service - Prof

Proc Folder: 702868

Doc Description: Addendum No 2 Supplemental Staffing for Microsoft Applicatio

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2020-06-02	2020-06-10 13:30:00	CRFQ 1300 STO2000000002	3

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number:

MSys, Inc.  
 1025 Connecticut Ave, NW Suite 1000  
 Washington, DC 20036  
 Phone: (202) 629-0353 x 701

**FOR INFORMATION CONTACT THE BUYER**

Melissa Pettrey  
 (304) 558-0094  
 melissa.k.pettrey@wv.gov

Signature X

FEIN #

DATE

All offers subject to all terms and conditions contained in this solicitation

Addendum

Addendum No. 2 is being issued to publish and distribute the attached information to the vendor community.

Request for Quotation

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia State Treasurer's Office (STO or Agency) to establish a contract for Supplemental Staffing Services for Microsoft Application Development per the specifications and terms and conditions as attached hereto.

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Temporary information technology software developers	2000.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

Extended Description :  
Year 1 / Individual 1

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Temporary information technology software developers	2000.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

Extended Description :  
Year 1 / Individual 2

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Temporary information technology software developers	500.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

**Extended Description :**  
Three (3) Month Renewal Option  
Individual 1

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE		WEST VIRGINIA STATE TREASURERS OFFICE 322 70TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Temporary information technology software developers	500.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
80111608			

**Extended Description :**  
Three (3) Month Renewal Option  
Individual 2

**SOLICITATION NUMBER: CRFQ# STO2000000002**  
**Addendum Number: 02**

---

The purpose of this addendum is to modify the solicitation identified as **CRFQ STO2000000002** ("Solicitation") to reflect the change(s) identified and described below.

**Applicable Addendum Category:**

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other ( )

**Description of Modification to Specifications:**

The purpose of this Addendum is:

- 1. To move Bid Opening to 06/10/2020 @ 1:30 p.m.**
- 2. Address Vendor questions received by 5/22/2020.**
- 3. Modification of Specifications**

**Terms and Conditions:**

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

**ADDENDUM # 02**  
**CRFQ STO2000000002**  
Supplemental Staffing for Microsoft Application Development

**Specifications Modifications**

**The Agency would like to modify Section 1.1 of the Specifications as follows (last paragraph):**

- It is anticipated that this project will begin the week of July 6, 2020.

**The Agency would like to add clarifying language to Section 5.1 of the Specifications as follows:**

**Section 5.1 – Add Paragraph:** This solicitation is a ‘lowest bid/cost meeting specifications’ acquisition. Vendors should take into account the pool of candidates who meet the qualifications and ability to provide the requested deliverables they will be proposing for the project. The vendor shall then provide an all-inclusive hourly rate for the (pooled) candidates and indicate that hourly rate on the Pricing Page. The hourly rate that is bid shall be firm for the base term of the contract. The Agency would like to have copies of resumes with the bid response to expedite the evaluation and for planned interviews for final project selection after contract award.

**The Agency would like to add clarifying language to Section 7 of the Specifications as follows:**

**Add Paragraph:** Vendor may request payment for services every two (2) weeks in lieu of a monthly invoice submission. Payment requests shall include the employee name, date of work, and the number of hours billed. Invoices will be verified by the Agency Project Manager(s) before payment processing can occur.

**Vendor Questions/Agency Responses**

1. Due to the current circumstances with COVID-19, is remote onboarding/start possible?

**Answer:** The expectation is for the supplemental staff to be onsite. However, if future circumstances surrounding the pandemic would force the office to work remotely in general, then that would apply to the supplemental staff as well. We do offer the option of working four ten-hour days, providing three-day weekends for those that don’t reside in the area. The Agency is taking precautions as recommended by the CDC and the WV Dept of Health & Human Resources for staff and visitors to practice social distancing, providing disposable masks (as available) for wearing in common spaces/areas, hand sanitizer, soap and water, etc. and limiting in-person meetings as much as possible.

2. What mode of interview are you planning to conduct?

**Answer:** Once the contract has been awarded, the Agency will utilize Microsoft Teams or telephone to interview the candidates that have been proposed for the project. The Vendor should keep in mind that this is a lowest price offer meeting specifications type of acquisition and is not a negotiated procurement. This means that the vendor should assess the candidates that will be

proposed for the project, and which are included in the hourly rate proposed on the Pricing Page for any of those candidates submitted for acceptance by the Agency.

3. What is the level of seniority for the advertised position?

Answer: Supplemental staff to the existing Agency development team.

4. Can you please specify the required skills/technologies more deeply?

Answer: Sections 3.1 thru 3.6 of the solicitation provide an appropriate description. Mandatory deliverables are listed in Section 4 to help provide examples of work to be provided.

5. How many people (developers) are on the project?

Answer: To varying degrees, five Agency developers.

6. Is this a new position or do you have an incumbent? In case there is an incumbent, do you intend to renew their services?

Answer: There is no incumbent. This is a unique one-time project.

7. Is this a new contract? If no please specify the incumbent name

Answer: Yes.

8. Is there any budget allocated for this contract?

Answer: This project is funded.

9. Is there any NTE hourly rate cap for this opportunity?

Answer: The hourly rate on the Pricing Page shall not be exceeded. The Agency intends on paying an hourly rate for up to two candidates per the Pricing Page. One individual may be priced at one hourly rate while another may be priced at a different rate. At no time will the agency agree to an hourly rate for an individual that exceeds the rates on the vendor's response/pricing page.

10. Is there any preference given to local vendors?

Answer: Vendor preference does not apply to this acquisition.

11. Please specify the interview mode (skype or telephonic)?

Answer: See the response to question #2 above.

12. Please specify the list of applications and the technologies used by the agency?

Answer: Sections 1.1 and 3.1 thru 3.6 of the solicitation provide insight to technologies used. Applications include purpose built in-house applications of varying functionality.

13. How many candidates we can propose in our response

Answer: As many as you like. However, the Agency will only pay for two approved candidates for this project. See also questions/answers #2 and #9 above.

14. Is there any response format required by the agency (e.g. Cover letter, Company experience, references etc.) or we just need to submit candidate resume, pricing, and forms mentioned in the solicitation document?

Answer: The Vendor should provide the forms mentioned in the solicitation along with candidate resumes. Resumes and References would be helpful if provided with the bid response. A cover letter and brief company experience may be provided as an attachment if responding to the solicitation via wvOASIS. The vendor may also provide a response in other ways per the **Instructions to Vendors Submitting Bids** document, Section 6.

15. How many company's references we have to submit with our bid response? if applicable

Answer: The Vendor may submit no more than five (5) references relating to company experience.

16. Do we need to provide candidate references? If yes how many

Answer: Not initially. However, upon notification, the vendor must provide at least three (3) references for the proposed candidates within one business day of the request. Resumes and References would be helpful if provided with the bid response.

17. Please specify the anticipated date of publishing Q&A's and addendums?

Answer: As soon as responses/answers can be gathered from the Agency.

18. From where will we can receive the addendum and Q&A's (Inbox or via the portal)?

Answer: Addenda and final solicitation documents may be found by visiting [www.wvOASIS.gov](http://www.wvOASIS.gov) and selecting VSS (Vendor Self Service) to see all open solicitations.

19. Is this a Single Award or Multiple Award?

Answer: This will be a single award contract. The services are for up to two individuals who will provide supplemental staffing needs for a one-time project.

20. How many Developers are you looking for?

Answer: Two.

21. I believe your PDF stated 3 month rolling contracts?

Answer: The base contract term will be for One-year for up to two (2) individuals. If the Agency determines that services beyond the first year are required, it will be determined if one or both individuals will be required on a three-month extension period(s).



22. Is that the case, or are you open to longer contracts and/or permanent employees?

Answer: This contract is for a one-time unique project. The base terms will be for one-year for up to two (2) individuals. If the services are needed beyond the first year, the Agency will determine if one or both individuals will be required and will be extended for three-month extension period(s).

23. Can Developers be remote or must they be working from your WV office?

Answer: See question/answer #1 above.

24. Do you have budgets in mind for the additional team members?

Answer: This project is funded.

25. How do we onboard with your procurement team?

Answer: Once an award has been made through the WV Dept. of Administration, Purchasing Division, the Agency's Purchasing Division will be notified. At that time, the Agency will make contact with the Vendor and the internal customer to provide information as needed; i.e. contract/project kick-off meeting (online/telephone), Agency project manager contact information.

26. When is the Pre bid conference scheduled- can we dial into this call

Answer: There was no pre-bid; see the Instructions to Vendors Submitting Bids document.

27. How many total positions are in scope within this Solicitation

Answer: Two.

28. General - Is there an incumbent contractor performing these services? If so, can you please identify the company/contract and the funding history?

Answer: There is no incumbent. This is a new, one-time unique project.

29. Section 3 – Qualifications: Do you prefer a condensed proposal consisting primarily of proposed personnel resumes and pricing? Or, would you prefer a more comprehensive proposal detailing company capabilities, past performances, development methodologies, etc.?

Answer: Condensed will be fine. See also answers to questions 14, 15 and 16 above.

30. Section 6 – Bid Submission: Please confirm that an electronic submission of the proposal is all that is required. (no paper submission)

Answer: If an electronic submission is provided, a duplicate paper submission of the same is not required. Vendors are encouraged to upload/attach all requested documents to its electronic submission to expedite the evaluation. Additional information, such as references and resumes, is to be provided within one business day of request, if not included with the bid response.

31. Section 8 – Insurance: Please confirm that proof of the required insurance is not required for the proposal, but rather is required prior to contract award.

Answer: This is correct. Upon notice of intent to award, the Vendor will be required to provide a Certificate of Liability Insurance, or acceptable legal equivalent, with the required amounts listed, and should name the State of WV/Treasurer’s Office as an additional insured.

32. With the COVID-19 Pandemic ongoing, will it be possible for these supplemental staff members to work from home?

Answer: See question/answer 1 above.

33. General Terms and Conditions #41 Background Checks: Since the work being performed is not at the Capitol complex, will the State’s background checks be required?

Answer: At this time, this specific requirement is not applicable. However, the Agency has its own separate security system at the worksite and a background check may be required upon providing building/systems access.

34. Mandatory Requirements #4.1.2 State individuals will be required to work on site. With COVID-19 will remote work be allowed? If only onsite is permitted what is the policy and protocols in place to protect workers safety?

Answer: See question/answer #1 above.

35. Will the WV State Treasurer’s Office supply all necessary equipment/hardware and tools/licensing to review and modernize software standards and compliance with security standards?

Answer: Yes.

36. How many resumes a vendor is allowed to submit per position in the response?

Answer: See response to #16 above

37. Can we replace the candidate in case the candidate submitted at the time of response is not available in the future?

Answer: Only if the replacement is approved by the WVSTO, and, candidate will not exceed the contract hourly rate established at the time of award.

38. Is there will be any preference given to local candidates?

Answer: Vendor preference is not applicable to this acquisition.

39. Is this bid a re-compete of an ongoing contract? If yes, then please share the details of the incumbents.

Answer: This is not a re-compete.

40. Is there any defined Not-To-Exceed (NTE) budget for this bid?

Answer: WVSTO will determine when the project is completed, and the supplemental staffing is no longer needed. The hourly rate on the Pricing Page shall not be exceeded. The Agency intends on paying an hourly rate for up to two candidates per the Pricing Page. One individual may be priced at one hourly rate while another may be priced at a different rate. At no time will the agency agree to an hourly rate for an individual that exceeds the rates on the vendor's response/pricing page.

41. We are interested in participating in this RFQ. We wanted to ask you if this service can be done from abroad?. If so, could you please send me all additional document/information needed to better understand terms and conditions of this solicitation?

Answer: No, the services may not be done from abroad. You may view this solicitation and others, by visiting [www.wvOASIS.gov](http://www.wvOASIS.gov) and selecting Vendor Self-Service (VSS). This will link you to the VSS Portal where anyone may access through the Public Access option near the bottom of the page.

42. Will you accept offers from nearshore companies? Our development team is located in Ecuador which is really close to West Virginia's time zone.

Answer: No, the service may not be done from abroad.

43. Can the Application Development be performed 100% remotely?

Answer: No. See question/answer #1 for more information

44. It's understood that you need 2 full year (2000 hours approx.) .NET developers

Answer: The 2,000 hours is per individual, per one-year base contract term, and is an estimate; this will be used as a basis of evaluation. It's unlikely to be exceeded, although it could be less

45. and 2 three month (500 hours approx.) .NET developers as well, correct?

Answer: See response to question #21 above

46. Based on previous question, It's understood that all 4 resources will be working simultaneously, correct?

Answer: There will only be two supplemental staff.

47. Is it mandatory to submit the offers via the wvOASIS portal or can we deliver via email?

Answer: See questions/answers #14 and #30 above.

48. With the current Covid-19 situation, are you still requiring the consultants to be onsite to perform these services?

Answer: See question/answer #1 above.

49. We currently have consultants available to perform the tasks as specified in the RFP. However, by the time you make a decision to award a contract, if our submitted candidates are not available, will we have the option of submitting additional people, who are ready to be interviewed within a 48 hour notice as possible replacement candidates?

Answer: Only if the replacement is approved by the WVSTO. Also see #2, #9 and #37 above.

50. Are there any Work Visa restrictions? If we have H1-B1 or TN Visa Holders, are they eligible to perform services on this contract?

Answer: Such restrictions or eligibility is the responsibility of the vendor/company who employs the individuals. The WVSTO will not be the employer. If the vendor plans to propose candidates that this may be of concern, it is preferred that the terms of the work visas make it possible for them to work the duration of the project. Vendor is wholly responsible for any requirements related to Form I-9.

51. Are the consultant required to work on site or has there be any change in that due to COVID-19 situation?

Answer: See question/answer #1 above.

52. Also, Can you please what the mode of interview of the consultants will be?

Answer: See question/answer #2 above.

53. What date will the candidates be selected and when will they be interviewed?

Answer: See question/answer #2 above.

54. What is the required citizenship status for candidates? (example: green card, valid EAD, etc.

Answer: Such eligibility determination is the responsibility of the vendor/company who employs the individuals. The vendor is wholly responsible for any requirements of Form I-9.

55. What are the education requirements for the candidate? (ex. bachelors, associates, techtraining, etc)

Answer: Sections 3.1 thru 3.6 of the RFQ provide the requirements of the staff.

56. Is there any more detailed documentation of the type of Microsoft Application Developers the state is requesting? Billing rates vary with different skill sets and the limited information on the PDF RFQ file makes it difficult to quote.

Answer: Sections 3.X and 4.X describe this.

57. It appears you can complete the entire bid online but we noticed there is a "Bid Receiving Location" on the PDF RFQ form. Does the state require a hard copy to be mailed as well?

Answer: See questions/answers # 14 and 30 above.

58. When is the close of the vendor question period? Will my email address be added to the list of recipients of answered questions?

Answer: Questions were due 5/22/2020. Vendors submitting questions are generally notified when an Addendum is finalized. Vendors should always check [www.wvOASIS.gov](http://www.wvOASIS.gov) for changes, etc. before finalizing a response to a solicitation.

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CRFQ STO2000000002**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.


**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

MSys, Inc.  
\_\_\_\_\_  
Company

  
\_\_\_\_\_  
Authorized Signature

Jun 10, 2020  
\_\_\_\_\_  
Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

## Karthik Thiruchangu

### Professional summary

- Decisive, enthusiastic, energetic, focused senior software developer with 16+ years of technical experience in application analysis, design, development and implementation of small to large scale enterprise software solutions
- An accomplished and established professional with proven track record in software application design, analysis, and extensive experience in full life cycle of the software development process (SDLC). Expertise in .NET based application architecture, design, development, deployment and unit testing.
- Diversified 16+ years of experience building Windows based systems and Web based systems using C#/ASP.NET/ MVC/.Net/ WinForms/ WCF/ WebServices/ Frameworks 1.1-4.5/ VB.NET in N-TIER architecture in various domains.
- Expertise in designing and implementing Web Applications using ASP.NET and MVC. Excellent business communicator and presenter. Capable of providing technical training to different teams in order to accelerate development process.
- Experienced in creating Toolkits, Utility classes, AJAX toolkit, .NET Frameworks, tweaking architecture for website performance improvement and tuning.
- Experienced using different Configuration management tools like SharePoint (Documents), TFS (Source) and VSS (Source). Experienced working with Service Oriented Architectures – SOA (Web Service, WCF, etc.)
- Hands on experience in creating Technical Design Document, UML (Use Case Diagrams, Sequence Diagrams, Class Diagrams), Process flow Diagrams, Data Flow Diagrams.
- Experienced in creating UML diagrams such as Use Case, Class, Sequence, Activity and state diagrams for technical documentation using Rational Rose and Visio. Experienced in creating customized reports using Crystal reports, etc.
- Experienced creating SGR (Standards, Guidelines & Rules) and coding standards for database objects. Experienced in preparing Test Cases and QA Documentations.
- Experienced in creating technical, non-technical and architecture related POC's, Cost Analysis, Whitepapers, Case Studies. Experience is coding guidelines automation.
- Strong Vertical expertise in customer relationship management systems. Excellent written and verbal communication skills.

### Education

- Bachelor's Degree in Information Technology, Madras University

### Technical skills

<b>Domain Knowledge</b>	BANKING, E-COMMERCE, INSURANCE, FINANCE, HEALTHCARE, RETAIL
<b>Languages</b>	VB.NET, C# (2.0, 3.5, 4.0, 4.5), ASP.NET (2.0, 3.0, 3.5, 4.0, 4.5), JAVASCRIPT, JQUERY
<b>Middleware</b>	ADO.NET, WEB SERVICES (SOA, SOAP, JSON, RESTFUL SERVICES), WCF, SQL, T-SQL (STORED PROCEDURE, CURSORS, TRIGGERS), ENTERPRISE LIBRARY, LINQ, REMOTING, MSMQ, WEB FORMS, ENTITY FRAMEWORK, MOBILE APPS & PAGE DEVELOPMENT
<b>Software Development</b>	AGILE/SCRUM, WATERFALL, TDD
<b>Design, Patterns &amp; Practices</b>	MVC, MVVM, AJAX, RIA, ENTERPRISE LIBRARY
<b>Databases</b>	SQL SERVER (2008, 2012), ORACLE, MYSQL, MS ACCESS
<b>Operating Systems</b>	WINDOWS 7, 8, 10 & WINDOWS SERVER 2008R2, 2012
<b>GUI</b>	Visual Studio 6, VS.NET (2008, 2010, 2013, 2015), SQL SERVER MANAGEMENT STUDIO
<b>Case Tools</b>	MS VISIO, ENTERPRISE ARCHITECT 4.5
<b>Web Related</b>	XSL/XSLT, CSS, XML, HTML, ASP.NET (2.0, 3.5, 4.0, 4.5), JAVASCRIPT, VBSCRIPT, THEMES/SKINS, AJAX, MVC, ANGULAR JS, ANGULAR 2, ANGULAR 4, MICROSERVICES, TYPESCRIPT, NODE.JS, REACT.JS, RESTFUL API, WEB API, BOOTSTRAP, KNOCKOUT JS, SHAREPOINT 2007/2010/2013

<b>Tools &amp; Utilities</b>	UML, GitHub, OOAD, VISIO, DESIGN PATTERNS, COMMERCE SERVER, CRYSTAL REPORTS 7.0, NUNIT, IIS, MERCURY QUALITY CENTER, BEELINE, SHORTLIST, VISUAL SOURCE SAFE (VSS), TEAM FOUNDATION SERVER (TFS), TORTOISE SVN, TOAD, VPN, CITRIX, NUNIT, NANT, OFFICE (2007, 2010, 2013), HTTP, TCP, FTP, ODP.NET, CURSORS, RESTFUL API
------------------------------	---

### **Certifications**

- Microsoft Certification in Web Development.
- Many Brainbench Certifications.

### **Professional experience**

#### **City of Chicago, Chicago, IL, USA**

##### **Senior Developer/ Lead**

##### **Feb 2019 - Till Date**

The main objective of this project is to design, develop and maintain the various user permits for the City of Chicago Clients.

- Created new permits like Electric, Sign, Building permits, etc. for the City of Chicago web portal. Created technical specification documentation and Unit Test Plans. Designed and developed classes for REST APIs and Web services. Strong technical background covering Oracle PL/SQL programming.
- Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing.
- Proven track record in data modelling, delivering Oracle based solutions - SQL queries, PL/SQL code.
- Documenting database design using visualization tools. Developed data driven applications. Involved in source code control, branching and code review. Responsible for Code Management and Builds using Team Foundation Server (TFS).
- Act as sole point of contact for end users during Production release and troubleshoot problems. Documented and reported findings to facilitate problem resolution. Development of Client Side Validation techniques using JQuery and Angular 4. Designed the front-end applications, user interactive (UI) web pages using web technologies like HTML5 and XHTML.
- Developed Web API's as needed. Developed html views with HTML5, CSS3 and Angular. Hands on experience on Web forms and Entity Framework.
- Responsible for handling high volume transactional, messaging and distributed systems. Coordinated all client policies and procedures specific to City of Chicago guidelines.
- Performed load testing to measure site scalability, reliability and performance in terms of evaluating page response time, memory utilization, and CPU utilization. Involved in unit testing, module testing and integration testing.

**Environment:** Windows 10, Visual Studio 2013, .NET 4.5, .Net Core, ASP.NET, C#, ADO.NET, IIS 7.5, Oracle, Angular 4+, Typescript, Object Oriented Programming (OOP), JavaScript, HTML5, CSS3, WCF, MVC, Razor, MS Visio 2013, Team Foundation Server (TFS), SSRS, Windows Server 2012/2016.

#### **McDonald's, Chicago, IL, USA**

##### **Senior Developer/ Lead**

##### **Oct 2017 – Jan 2019**

- Oversee all technical aspects of the build, including overseeing creation of schedules, documents and guides for contractors, vendors, and consultants. Participated in daily Agile/Scrum meetings to manage project deliverables. Created technical specification documentation and Unit Test Plans. Developed and delivered a detailed legacy migration plan. Owned the quality of the migrated data and the validity of the migration processes and operation.
- Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing. Transformed Legacy Systems in order to reduce IT environment complexity and costs using Legacy Modernization. Identify tuning opportunities; implement improvements and advice developers on SQL tuning options. Interact with application developers and management as well as database and database tool vendors.

- Provide expert level support and recommendations to the Development team for Oracle DB use. Designed and developed classes for Web services. Responsible for Code Management and Builds using Team Foundation Server (TFS).
- Act as sole point of contact for end users during Production release and troubleshoot problems. Documented and reported findings to facilitate problem resolution. Development of Client Side Validation techniques using JQuery and Angular 4.
- Designed the front-end applications, user interactive (UI) web pages using web technologies like HTML5 and XHTML. Developed data driven applications Involved in source code control, branching and code review. Developed html views with HTML5, CSS3, and Angular JS. Hands on experience on Web forms and Entity Framework. Responsible for handling high volume transactional, messaging and distributed systems. Coordinated all client policies and procedures specific to McDonald's Guidelines.
- Performed load testing to measure site scalability, reliability and performance in terms of evaluating page response time, memory utilization, and CPU utilization. Coordinated onshore and offshore teams on a daily basis. Designed and created database objects such as stored procedures, packages, functions, triggers and indexes. Involved in unit testing, module testing and integration testing.

**Environment:** Windows 10, Visual Studio 2013, .NET 4.5, ASP.NET, C#, ADO.NET, IIS 7.5, Oracle, Angular 4, Typescript, Object Oriented Programming (OOP), JavaScript, Legacy migration/modernization, HTML, CSS, WCF, MS Visio 2013, Team Foundation Server (TFS), SSRS, Windows Server 2012/2016.

### **American Youth Soccer Organization (AYSO), Torrance, CA**

#### **Senior Application Developer/Lead**

**Jan 2017- Oct 2017**

- Created design documents, technical specification documents and Unit Test Plans. Liaison among departments and managers, acting as sole point of contact to integrate managed workstation environment with minimal downtime. Implemented ASP.NET MVC pattern mechanism to display player information and league categories.
- Developed the web services to access player related functionalities. Define the legacy migration strategy and plan. Overseeing and ensuring delivery of all aspects of legacy analysis, mapping and transfer. Identifying the legacy migration impact of all proposed changes. Code Management and Automated Builds using Team Foundation Server (TFS). Implemented JavaScript for client side sorting and validations.
- Used N-tier architecture for Presentation layer, the Business and Data Access Layers and were coded using C#. Net. Good Experience in Developing Applications using Microservices architecture.
- Development of the project solution using architecture and Micro services. Good knowledge on micro services. Hands on experience on Web forms, performing load testing to measure site scalability, reliability and performance in terms of evaluating page response time, memory utilization, CPU utilization. With the concept of React.JS worked on metrics and also end to end events tracing for analysis purpose.
- Good experience in creating components documentation using React.JS. Designed and developed various Web forms using HTML, CSS, Bootstrap and JavaScript, React.JS. Wrote all synchronous / asynchronous unit tests. Coordinated work of multiple teams creating deployment for AYSO servers. Designed and created database objects such as stored procedures, packages, functions, triggers and indexes.
- Hands on Experience working in MS Dynamics (Great Plains) and Professional Services Tools Library (PSTL). Created many reports using the Great Plains Report Manager. Created many integration packages using the Great Plains Integration Manager. Involved in unit testing, module testing and integration testing.
- Hands on experience in creating Technical Design Document, UML (Use Case Diagrams, Sequence Diagrams, Class Diagrams), Process flow Diagrams, Data Flow Diagrams. Created and reported daily status of projects, including in-house and on-site analysis and resolution of problems during deployments.

**Environment:** Windows 7, Windows 10, Visual Studio 2013, .NET 4.5, ASP.NET, C#, ADO.NET, MS Dynamics (Great Plains), React JS, Microservices, Typescript, IIS 7.0, MS SQL Server 2012, Legacy migration/modernization, MS Visio 2010, Development, Object Oriented Programming (OOP), JavaScript, HTML, CSS, Team Foundation Server (TFS), Windows Server 2012 R2, Web Services, SOA.

### **AIM Specialty Health, Deerfield, IL, USA**

#### **Senior Developer/ Lead**



#### Sep 2015 – Dec 2016

- Oversee all technical aspects of the build, including overseeing creation of schedules, documents and guides for contractors, vendors, and consultants. Participated in daily Agile/Scrum meetings to manage project deliverables.
- Created technical specification documentation and Unit Test Plans. Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing.
- Designed and developed classes for Web services. Responsible for Code Management and Builds using Tortoise SVN.
- Act as sole point of contact for end users during Production release and troubleshoot problems. Documented and reported findings to facilitate problem resolution. Development of Client Side Validation techniques using JQuery and Angular 2.
- Designed the front-end applications, user interactive (UI) web pages using web technologies like HTML5 and XHTML. Developed html views with HTML5, CSS3, and AngularJS.
- Hands on experience on Web forms and Entity Framework. Responsible for handling high volume transactional, messaging and distributed systems.
- Performed load testing to measure site scalability, reliability and performance in terms of evaluating page response time, memory utilization, and CPU utilization. Coordinated onshore and offshore teams on a daily basis
- Designed and created database objects such as stored procedures, packages, functions, triggers and indexes. Involved in unit testing, module testing and integration testing.

**Environment:** Windows 7, Visual Studio, .NET 4.5, ASP.NET, C#, ADO.NET, IIS 7.5, MS SQL Server 2012, Angular 2, Typescript, Object Oriented Programming (OOP), JavaScript, SSRS, HTML, CSS, WCF, MS Visio 2010, Tortoise SVN, Windows Server 2008 R2.

**Client: Follett, Westchester, IL**

**Senior Application Developer/Lead**

#### Dec 2014 – Sep 2015

- Created design documents, technical specification documents and Unit Test Plans. Liaison among departments and managers, acting as sole point of contact to integrate managed workstation environment with minimal downtime.
- Used Client side script validation using Angular JS. Implemented ASP.NET MVC pattern mechanism to display book catalogs and categories.
- Developed the services using WCF to access book related functionalities. Code Management and Automated Builds using Team Foundation Server (TFS).
- Implemented JQuery for client side sorting and validations. Implemented LINQ for querying, sorting and filtering the complex objects.
- Worked in Vendor Management Systems (VMS) like Beeline to manage and procure staffing services, consolidated billing, etc. Hands on experience on implementing AJAX functionalities for partial page rendering.
- Worked in MSMQ messaging protocol that allowed applications running on separate servers to communicate in a failsafe manner.
- Hands on experience on performing load testing to measure site scalability, reliability and performance in terms of evaluating page response time, memory utilization, CPU utilization. Created many tables, queries and stored procedures in Oracle.
- Coordinated work of multiple teams creating deployment for Follett servers. Designed and created database objects such as stored procedures, packages, functions, triggers and indexes.
- Worked on web based and mobile page development. Involved in unit testing, module testing and integration testing.
- Hands on Experience in creating Technical Design Document, UML (Use Case Diagrams, Sequence Diagrams, Class Diagrams), Process flow Diagrams, Data Flow Diagrams. Created and reported daily status of projects, including in-house and on-site analysis and resolution of problems during deployments. Ensured maintenance of HIPPA compliance.

**Environment:** Windows 7, Visual Studio, .NET 4.5, ASP.NET, C#, ADO.NET, IIS 7.0, Oracle, Beeline, WCF, Bootstrap, MS Visio 2007, Windows Server 2008, AngularJS 2, SSRS, Angular JS, MSMQ, Node.JS, Web Services, SOA, Restful API, Web API

**Liberty Mutual, Dover, NH**

## **Senior Software Engineer/Lead**

**Dec 2013 – Dec 2014**

- Provided defect fixes to the issues identified in testing phase. Coordinated integration of continuous application and flow changes based on new Insurance guidelines.
- Responsible for coding, code analysis and code review. Conducted analysis, addressed design issues, and technology needs.
- Responsible for creating end to end client portal using ASP.NET MVC Framework, LINQ, JQuery, JavaScript, T-SQL, MS SQL Server. Designed and tweaking MVC Views, Layouts, Model and controller according to requirement.
- Developed MVC Controller, View Models and Helper methods linked to backend database. Used JavaScript, JQuery extensively to perform client side validations
- Senior member of the team, creating SQL profiler, Execution Plan details to improvement application performance. Responsible for writing and modifying CSS to design and implement various themes
- Created and modified various SSIS packages for adding or modifying new functionality. Developed and implemented various tools in WCF
- Implemented threading for performance improvement and parallel execution. Responsible for analysis of requirements for new business need and provided technical solution
- Responsible for all Design documentation. Modified core Windows service to cater various cross cutting concerns and inject new functionality.
- Architecture design and code for the .NET related desktop and web application. Developed various SQL objects (Functions, Stored procedures, views for catering some critical functionalities like Claims, Mailings, Evaluation, etc.)
- Created POC to design and develop application to improve the architecture and overall performance. Responsible for backups, version control processes and roll out plans
- Ensured Standards and guidelines are maintained. Used TFS for all team related tasks: Task Assignment, Priority, Reports, etc. Implemented product architectural changes for better performance and maintainability.
- Created schedules of all task deliveries. Set up the environment for project execution. Prepared POC and suggested new features to enhance the application. Presenting solutions for issues and bugs in applications
- Acted as single point of contact for multiple vendors, business units and Information Technology partners during Production release, administering schedules and communicating risks. Ran weekly meetings, helping to facilitate communication and maximize productivity.

**JP Morgan Chase, Dallas, TX, India**

## **Senior Application Developer/Lead**

**Jun 2012 – Dec 2013**

- Studied and analyzed specifications provided by the Client. Created design documents, technical specification documents and Unit Test Plans
- Involved in Onsite Coordinator activities like interacting with many different teams to get the job done (production implementation), implementing the Deliverables on the correct date and time, extended hours support, coding in .Net, etc. Interacting with teams in Chase – Mumbai, India.
- Implemented JQuery for client side sorting and validations. Implemented LINQ for querying, sorting and filtering the complex objects. Managed implementation of software upgrades

**Environment:** Windows 7, Visual Studio .NET 3.5, ASP.NET, C#, ADO.NET, IIS 6.0, MS SQL Server 2008, WCF, MS Visio 2007, Windows Server 2008

**Liberty Mutual, Portsmouth, NH**

## **Senior Software Engineer**

**Jun 2011 – May 2012**

- Providing defect fixes to the issues identified in testing phase. Continuous application and flow changes based on new Insurance guidelines. Responsible for coding, code analysis and code review. Conducted analysis, addressed design issue, and technology needs.
- Responsible for creating end to end client portal using ASP.NET MVC Framework, LINQ, JQuery, JavaScript, T-SQL, MS SQL Server. Designed and tweaking MVC Views, Layouts, Model and controller according to requirement.

- Develop MVC Controller, View Models and Helper methods linked to backend database. Used JavaScript, JQuery extensively to perform client side validations. Senior member of the team creating SQL profiler, Execution Plan details to improvement application performance
- Responsible for writing and modifying CSS to design and implement various themes. Created and modified various SSIS packages for adding or modifying new functionality. Developed and implemented various tools in WCF. Implemented threading for performance improvement and parallel execution
- Responsible for analysis of requirements for new business need and provided technical solution. Responsible for all Design documentation. Modified core Windows service to cater various cross cutting concerns and inject new functionality. Architecture design and code for the .NET related desktop and web application. Developed various SQL objects (Functions, Stored procedures, views for catering some critical functionalities like Claims, Mailings, Evaluation, etc.). Created POC to design and develop application to improve the architecture and overall performance
- Responsible for backups, version control processes and roll out plans. Ensured standards and guidelines are maintained. Used TFS for all team related tasks: Task Assignment, Priority, Reports, etc. Implemented product architectural changes for better performance and maintainability.
- Created schedules of all task deliveries. Set up the environment for project execution. Prepared POC and suggested new features to enhance the application. Presenting solutions for issues and bugs in applications

**Environment:** Windows 7, Visual Studio .NET 3.5, ASP.NET, C#, ADO.NET, IIS 6.0, MS SQL Server 2008, WCF, MS Visio 2007, Windows Server 2008

#### **TD Ameritrade (TDA), Chennai, India**

##### **Senior Application Developer**

**Oct 2010 – Jun 2011**

- Involved in analysis of Business Logic, data and Requirement Specification. Involved in architecting the application and identifying individual components that make up the application to reflect the best performance in speed, accuracy and efficiency.
- Responsible for coding and developing the Web Service module using C# and worked on .NET Component Services. Coded C# class assemblies for reusability and worked with SharePoint Server Controls. Was involved in project tracking, and performed unit testing with documenting test cases. Study and analysis of the specifications provided by TD Ameritrade.
- Developed POC's in the initial stage of project. POC for copying a page, Site and Site Collection from one site to another site using SharePoint objects. Programmatically accessing the OOB web parts to change their properties according to the target site. Developed Web Parts using C# and embedded in the SharePoint Site. Used Built-In workflows and customized workflows in SharePoint. Created design document, technical specification document and Unit Test Plan.

**Environment:** Windows 2000, SharePoint 2007, Visual Studio .NET, C#, VB.NET, ASP.NET, ADO.NET, Visual SourceSafe 6.0, XML SDK 4.0.

#### **JP Morgan Chase, Lewisville, TX/India**

##### **Senior Application Developer**

**Dec 2007 – Oct 2010**

- Microsoft .NET Developer (UI/ Client-Side), participated in System Analysis including various business requirements, Project Discussions and Status Meetings with JPMC business teams.
- Responsible for Front-end/UI technical design and documentation of various banking/ financial transaction modules along with UI specification documentation. Responsible for creating and coding .NET Win Forms and implementing complex banking/financial transactions, such as Withdrawal, Deposit, Transfer between Accounts, Selling Draft/MO, Selling Traveler's Checks and Receiving Checks etc. using C# and .NET class assemblies.
- Responsible for coding and implementing Client Search module, such as Search by Personal Name, Search by Account#, Search by SRF# etc. using C# Win Forms. Created Reports for Session Inquiry, Close Day and Batch-Off Proof admin tasks using Crystal Reports .NET. Supported Desktop Framework (DF) team in creation of objects using C# and communicating using .NET Remoting. Performed unit testing using NUnit 2.1, and documented test cases.

**Environment:** Windows 2000/XP, Visual Studio .NET, C#, Visual Basic .NET, MQ Series, IBM HTTP Server, Visual Source Safe (VSS), Crystal Reports .Net, Rational Rose, UML, XML 4.0

#### **Bank of New York, Chennai, India**

##### **Programmer Analyst**

**Oct 2006 – Dec 2007**

- Designed, developed and coded the Fulfillment module. Supported object design of Service Order module. Responsible for technical design documentation.
- Responsible for design and development of Business and Data Objects for the Fulfillment module using VB 6.0. Responsible for writing queries for the Fulfillment module and developed ASP.Net Pages for invoice searches. Responsible for creating class diagrams using Rational Rose.
- Created PDF Reports for the fulfillment module using Crystal Reports 8.0. Involved in unit testing, debugging, and documenting test cases. Responsible for transferring the data to tables from the converted excel sheets using DTS (Data Transformation Services - MS SQL Server).

**Environment:** Windows 2000/XP, VB 6.0, IIS 6.0/5.0, COM+, Visual SourceSafe 6.0, Visual Interdev 6.0, ADO 2.6, MS Visio 2000, Rational Rose, XML 4.0, JavaScript, VBScript, Crystal Reports 8.0.

**Halifax Bank of Scotland, Chennai, India****Role - Programmer Analyst****Sep 2004 – Oct 2006**

- As a Developer Analyst responsible for identifying the data and business logic. Involved in Project Discussions and Requirement Specification Documentation. Involved in designing and implementing the data layer in MS SQL Server 2000/ 2005. Responsible for design, development and coding of COM+/ MTS components using VB 6.0 for the User Administrative module and Search module.
- Responsible for implementing various site management tasks, such as Catalog management, Store management, Inventory management, Order management and Activating/ Deactivating stores etc. using C#.Net. Involved in implementing Shopping Basket, User Authentication, Payment processing and Catalog Management. Involved in unit testing, debugging and documenting test cases.

**Environment:** Windows 2000/XP, C#.Net, VB 6.0, MS SQL Server 2000/2005, IIS 6.0/5.0, Visual Interdev 6.0, Visual SourceSafe 6.0, ADO 2.6, XML, XSL/XSLT, COM+/MTS, VBScript, JavaScript, Crystal Reports 8.0

**Professional References****References # 1**

Name	Sivakumar Jeyaprakash (Cognizant-Senior JSIVA@sundaramfinance.in;
Email	jsiva@sundaraminfotech.in Account Manager)
Phone	+91-9444436853

**References #2**

Name	Anusha Rao (AIM Specialty Health - Manager)
Email	anu.nap123@gmail.com; kuraa@aimspecialtyhealth.com
Phone	+1-3314442830

**References #3**

Name	Shilpa Mahakel (Follett-Manager)
Email	shilpamahakal@gmail.com
Phone	+1-6309232283

## Radha krishan Bhardwaj

### Professional Summary

- Have 17+ years of experience in the field of software development, actively involved in Analysis, Design, Development, Implementation and Testing of business applications both windows and web applications. Strong knowledge of Object Oriented Analysis and Design (OOAD) concepts including inheritance, polymorphism, and abstraction.
- Hands of experience in continues integration, CI/CD using Octopus tool and visual studio team foundation. Hands of experience in developing web application using ASP.NET, MVC and TypeScript, Angular JS, C#. Hands of experience in developing web application using Telerik ASP.NET AJAX Controls. Hands of experience in developing Windows application using WPF with C#. Strong experience in developing Windows services, Web Services using C# and VB.NET.
- Hands of experience in configuring WCF endpoints, Bindings, behaviors, Defining and implementing contracts. Hands of experience in developing dot net application using Entity Framework 6 (ORM)
- Hands on Experience on AngularJS, Angular 7 and Angular 8. Hands of experience in Identity Server 4, OAuth2.0 in Dot net Core 3.1. Hands of experience in developing and consuming RESTful Web API. Hands of experience in Cloud Computing in Azure, AWS, Azure functions, Azure Search, Azure RedisCache, Amazon S3Browser, Azure Saas
- Extensively worked with HTML, CSS, XML, JavaScript, JQuery and AJAX. Applied knowledge in design pattern like Singleton, Abstract, Facade, Adapter and Factory. Expertise in ADO.NET objects like Transaction, Data Command, Data Adapter, Data Reader, and Dataset. Extensive experience in design and creating Windows service components. Experience in creating 'N' tier architecture and integrating those layers. Strong experience in developing Web application using Classic ASP.Net MVC 4.7.2, XML, XSLT with SQL Server 2016. Experienced in database design based on the normalization and T-SQL in SQL Server 2005\2008\2016. Extensively worked on stored procedures, triggers, Joins, Relational Database.
- Experience in designing Crystal reports and SSRS. Experience in using SQL profiler and Enterprise Framework Profiler tool. Experience with Version Control tools like Visual Source Safe, GIT, CVS and SVN. Involved in all parts of the software development life cycle (SDLC). Working in Agile SCRUM model. Great team player works independently, committed and passionate.
- Able to manage changing responsibilities and deliver time critical projects on schedule. Have experience in Upgrading application to advanced framework. Have strong experience on Team Foundation Version Control and Visual Studio Team Services. Having experience with handling multiple Source Code Branch, branching, merging, deployment to different environments, release planning and working hand to hand with Devops. Consuming Java APIs and Migrating applications from other platform to Microsoft Technology Stack. Having Strong experience in PowerShell scripts. Writing PowerShell scripts for database, network and deployments to multiple environment.

### Technical Skills

<b>Web Development</b>	ASP.Net Web Forms 5.0, ASP.NET MVC 4.0, AJAX, HTML, JavaScript, JQuery 3.4.1, CSS, XML, Web Service, WCF 4.0, Bootstrap 4, SOAP, Typescript, Angular JS.
<b>Programming Techniques</b>	OOPS and Structured Programming.
<b>Programming Languages</b>	C#.Net, VB.Net, ADO.Net, VB 6.0, Classic ASP 3.0
<b>App/ Web servers</b>	Internet Information Server, Windows 2008 Server R2.
<b>Database Management Systems</b>	Microsoft SQL Server 2016/2012/2008/2005/2000, MS Access
<b>Operating Systems</b>	Windows OS (7, 2008 R2, 2003, 2000, NT, XP)
<b>Scripting</b>	SQL, PL/SQL
<b>Development Tools/ Environment</b>	Visual Studio 2013/2017/2019, MS Office tools, Git Hub
<b>Design Patterns</b>	Abstract, Factory, Singleton, Facade and Adapter.

### Education

- Masters in Computer Science and Engineering, from UP Tech University, India.
- Diploma in Computer Science from C.C.S University, India

- Bachelor of Science (Mathematics) from C.C.S University, India
- Oracle 9i Certification Course
- Certified Scrum Master (Scrum Alliance)
- AWS Technical Professional (Digital)

### ***Professional Experience***

#### **ThirtyOne Gifts/ Columbus, OH/ ICC**

##### **Team Lead/ senior .Net Developer**

**Jun 2018 – Till Date**

##### **Project: Customer Account, EPiServer CMS, Gift Certificate, Auto Shutoff Service**

**Description:** PartyPlan is a complex Application which uses Web based technology stack and APIs to cater business needs. It helps 60,000 consultants all over US and Canada to place an order which can be party order, customer order or individual orders. It keeps track of distribution of commission that consultant gets at each level of their position.

- Worked with Marketing Team to understand business needs and created mockup and wireframes by using zeplin tool. Worked with UI/UX designers to help create and implement best design practices.
- Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing. Created marketing and campaign emails using SendGrid and worked with business partners on custom requirements.
- Worked on STS Project and used Technology Stack: .NET Core, Git Repository, Web API, IdentityServer4, Angular 7.0 and VS 2017, 2019 for Party Plan Integration. Module on Admin site is migrated from legacy asp to ASP.Net MVC. Created User and Admin Module using Angular CLI, Node JS, NPM, and Visual Studio Code.
- Maintained application using .NET C#, SQL Server, jQuery, HTML5, Angular 7 and 8, JavaScript, and Bootstrap. Created forms, responsive web design, CSS, and query based on business needs for cross browser compatibility. Extensively used CSS and JS methods to provide performant visual effects. Created Ad-space content banner which is built in episerver (CMS) and integrated with the site. Created Single Column, Double Column blocks in Episever (CMS) and integrated with the site.
- Worked on EpiServer 7 for content Management and Party Plan System UI jQuery, CSS, html, C#
- Worked on performance issues, usability issues and making application better responsive. Worked with Grunt tool to generate less files. Worked on development of web pages with jQuery, Bootstrap, AJAX, JSON, KendoUI, Web API, Angular 7, and S3Browser (AWS). Worked on design documents (HLD, LLD). Created Unit test case and doing code review for team.
- Development of stored Procedure, functions, tables, T-SQL in SQLServer 2016. Production Support- Worked Tech Debt in Party Plan, Amazon storage, Azure Search capability, MSMQ, Propay- Payment Gateway, Pulse- used for personalization, AVALARA- sales tax implementation, Managing Octopus Deployment on different environments (DEV, CI, QA, UAT), Creating Unit Test Case using NUnit.

**Environment:** Visual Studio 2019, .NET Framework 4.7.2, SQL Server 2016, Windows Services, Classic ASP, IIS 7.0, C#.NET, JQuery ,TypeScript, Angular JS, Bootstrap 3.2, Design Pattern, JavaScript, HTML, TFS, AJAX, ASP.Net Core 3.1, Identity Server, Pulse, AVALARA, ProPay, AngularJS, Angular7-8, Personalization, Restful Web API, EPiServer content Management in C# Dot net, AWS Storage, S3Browser, Visual Studio 2013/2017, SQL Server 2012/2016, SSRS, VB.Net, ASP.Net, HTML, CSS, XML, Javascript, SSRS , MSMQ, SQL Server 2016, SQL Jobs, CDN, Cloud Search, Bootstrap4.

#### **Ohio Department of Public safety/ ICC/ Columbus, OH**

##### **Senior .NET Consultant**

**Dec 2012 – Jun 2018**

##### **Project: Automatic Title Processing System**

**Description:** Automatic Title Processing System is very complex system which was in Oracle and D2K spread over 88 counties in OHIO where in each county has its own database which gets synch in every night with central database. This huge system is converted to centralized system using Microsoft technologies- C# Asp.Net, WinForms, Sql Server 2014, WCF services.

Worked on below modules-

- ATPS Core Application – This Application is Desktop-client Application, installed almost 800 offices around OHIO in all the counties. This application is used to issue Titles of vehicles, watercraft and

Outboard Motor, to the customers in the OHIO. ATPS project was in legacy oracle d2k which is migrated on dotnet desktop client application which is implemented in 88 counties in OHIO.

- ETA (Electronic Title System)- This Application is used by OHIO Third-party Service Providers (Dealer Track and Computology) to submit online Title submission request by consuming WCF services. This system is developed in Restful WCF services.
- Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing. EDIS (Electronic Digital Interface System)- This is windows service Application and is used to store Title images using File Net IBM Product. This system is used by Core Application and ETA Application. OTG (Ohio Title Gateway)- This is Web-Portal developed in MVC for OHIO Dealers to submit online Title Application.
- ELT (Electronic Lien Transfer) - This is windows service Application and is used by Banks for adding/removing Liens on Titles. Online Dealer Portal Application is being modernize to MVC dotnet framework. Printing of Title System- using centralized printing solution. It is implemented with multiple windows services. ATPS Scanner Application- It is developed in WCF, WPF, and MVVM. Using this application County office will be using this application to scan document.
- Writing PowerShell scripts, customizing PowerShell scripts based on requirements, Deployment to DEV, ITST, QA and Production environments using PowerShell scripts.

**Environment:** Visual Studio 2015, .NET Framework 4.5, SQL Server 2008/2012, Windows 2008 Server R2, IIS 7.0, Microsoft Enterprise Library 5.0, C#.NET, JQuery, Visual Studio 2013/2017, SQL Server 2012/2016, SSRS, VB.Net, ASP.Net, HTML, CSS, XML, Javascript, SSRS , Bootstrap 3.2, Design Pattern, JavaScript, HTML, TFS and AJAX.

#### **Ohio Public Employee Retirement System/ Columbus, OH/ ICC**

**Sr .Net Developer**

**Jun 2012 – Nov 2012**

**Project: Project Management Office (PMO)**

**Description:** This Application provides tools and resources for the implementation and closing phases of the process, reports Needed by the PMO to effectively manage the project portfolio, as well as the measurement and justification for the level of effort required to complete a project.

- Collaborated with the Business Analyst to understand the requirements and prepared Technical Documents, as well as estimated the project. Developed in C#, ASP.NET, Windows Communication Foundation (WCF) and Linq. Wrote test scripts, as well as completed code reviews, unit testing, integration testing and regression testing.
- Wrote SQL statements, created tables and SQL stored procedures for a backend MS SQL Server 2008 database. Built deployment, development and test environments. Created Unit test case document for newly developed CR's.

**Environment:** Visual Studio 2013, .NET Framework 4.0, SQL Server 2008/2012, Windows 2008 Server R2, Windows Services, WCF 4.0, IIS 7.0, Microsoft Enterprise Library 5.0, C#.NET, JQuery 2.1, Bootstrap 3.2, Design Pattern, JavaScript, HTML, TFS and AJAX.

#### **JP Morgan Chase/ Columbus, OH/ Mphasis an HP Company**

**Sr .Net Developer**

**Aug 2011 - June 2012**

**Project: Quick Deposit**

**Description:** This Application is responsible for online depositing a check through Check Scanner. These scanner are used by small business owner wherein they don't have to come to branch for check deposit.

- Worked on the Quick Deposit Product project; this product is used by client to deposit checks without going to the bank – a client can deposit checks through a mobile device or online through a web-based application by scanning a check. Utilized the NISI Framework – (NISI is based on the MVC Framework), .NET Framework, C#, ASP.NET, Visual Studio 2010, LINQ, jQuery, AJAX, JSON, Clear Case, Lambda Expression, Fluent Mapping and Oracle 10g.
- Analyzed the business requirements and prepared the requirements analysis documents. Coded in ASP.NET using the NISI Framework and jQuery. Wrote Selenium test cases for automated testing; also conducted unit testing and integration testing. Managed customer expectations and the offshore delivery team. Consuming Java API for Services, database interaction D2K with third party components in project.

**Environment:** Visual Studio 2010, .NET Framework 2.0, SQL Server 2005, Windows 2008 Server, C#.NET, NISI Framework, Java API, Content Management System, D2K.

**JP Morgan Chase/ Columbus, OH/ Mphasis an HP Company**

**Sr .Net Developer**

**Aug 2010 – Aug 2011**

**Project: EURC Change Management Project**

**Description:** The Change Management project; this .NET application was being created in order to generate a mechanism for tracking projects within JPMC related to moves, changes and new releases into production servers – this application has multiple phases including: initiate, classify, plan, approval, implementation and review.

- Interacted with end user for gathering the requirements and was responsible for documenting them.
- Designed the application based on the requirement. Designed the high-level architecture of the portal application and developed common components for Data Access, Security and Exception logging modules using Dot Net Framework and Microsoft Application Blocks framework.
- Analyzed business requirements and prepared the requirements analysis documents. Developed a Web Service to interact with the JPMC Approval Central System. Coded the application in the .NET MVC Framework 2 and jQuery. Worked on the Gantt Chart ActiveX Control for showing a task in a graphical view on a web page.
- Conducted integration testing. Deployed build in test and production environments. Managed customer expectations and off-shore delivery. Overall technical environment included: .NET Framework 4.0, C#, MVC Framework 2, nHibernate, jQuery, AJAX, JSON, Oracle 10g, LINQ, Lambda Expression, Fluent Mapping, SVN and Visual Studio 2010.

**Environment:** Visual Studio 2010, .NET Framework 2.0, SQL Server 2005, Windows 2008 Server, C#.NET

**Dollar Thrifty Automotive Group/ Tulsa, OK/ Mphasis an HP Company**

**Onsite Coordinator/ Sr .Net Developer**

**Dec 2006 – Aug 2010**

**Project: Rate Engine**

**Description:** The Rate Engine Project consist of various windows services and web services which run algorithms to provide rate of rental car. This rates are used by various systems that are integrated with Rate Engine like Dollar.com, Thrifty.com. Rate Engine also compare rates with our sources like Amadeus, Priceline and gives best rate to it clients.

- Responsible for understanding business requirements and preparing the requirements analysis documents. Managed customer expectations and best shore query resolution, as well as delivery.
- Conducted production implementation, arranged User Acceptance Testing (UAT) and coordinated client meetings, as well as minimized onshore/offshore gaps by mentoring the offshore team.
- Prepared functional documents. Provided on-call 24x7 support for production application handling of critical tickets. The overall technical environment included: .NET Framework 2.0, Visual Studio 2008, Windows Communication Foundation (WCF), Web Services, SQL Server Integration Services (SSIS), Team Foundation Server (TFS) and Oracle 10g. Led a team on the Rate Engine project.
- Analyzed the requirements with the SME and allocated the work to team members. Prepared requirements analysis document, High-Level Documents (HLD) and Low-Level Documents (LLD).
- Coded, conducted peer reviews and created unit test cases, as well as conducted integration testing and load testing. Responsible for configuration management activities, maintaining quality standards and performing root cause analysis of incidents. Prepared various reports, dash board and plans used in production support. Conducted/Attended meetings with customers, as well as analyzed business requirements and worked with the onshore team to understand functional and business feasibility requirements. Performed production implementation, risk assessment and team query resolution.

**Role:** Senior Software Engineer

- Coded Web Services and Windows Services. Analyzed business requirements and provided solutions within a specified time. Conducted peer reviews, unit testing, integration testing and load testing. Prepared the build and deployed the build in a test environment, as well as participated in the production implementation. Provided 24x7 on-call support.



**Environment:** Visual Studio 2006, .NET Framework 3.5, SQL Server 2008, Windows 2008 Server, ASP.NET, C#, ADO.NET, Web Services, SOA architecture, Design Pattern, Mainframe, JavaScript, HTML, and AJAX and Web Services.

**Microsoft Partners/ Amsterdam, Netherlands/ Capgemini**

**Consultant**

**Feb 2006 - Dec 2006**

**Project: Microsoft Upgrade Redemption Project/ Auto Recycling Netherlands (ARN) Reporting project/ Linksys - Return Merchandise Authorization**

**Description:** This website is used by Microsoft's partners and OEM to upgrade existing Microsoft products – including Windows XP/MS Office to Windows Vista/MS Office 2007. Interaction with Project Leader to study the user's requirements and getting clarifications

- Web/UI Interface developed in ASP.NET/C#; an ActiveX control was used for graphics and multimedia products that Microsoft was going to launch. Web Services: Payment, Value Added Tax (VAT), Shipping and Back-Office. BizTalk Server 2004 used for creating Orders at the Back-Office.
- Development and Maintenance of code. Used ADO for data access layer to communicate with the SQL Server database and wrote T-SQL stored procedures for data access and reports. Testing & Final Inspection of the Application before Release to Acceptance Environment. Involved in writing stored procedure and functions in the Database SQL Server 2005.
- Created Crystal report according to each module of Customer Relation Management. Database & System Administration. The overall technical environment included ASP.NET/C#, .NET Framework 2.0, MS SQL Server 2005, SOAP, Web Services, ActiveX Controls and BizTalk Server 2004.

**Environment:** Asp.Net, C#, ActiveX Controls. SSRS, VBA Macro Programming, ADO, Crystal Report, Text Report, HTML, MS-Access and SQL Server 2005.

**BankgiroCentralen (BGC) European Bank Mumbai, India/ Capgemini**

**Consultant**

**Jul 2005 - Dec 2005**

**Project: Application Migration Project**

**Description:** This project is about migrating mainframe application into dotnet web based using cobol.net and C#.net.

- Analyzed the Unisys mainframe application screens for its current architecture and designed the strategy for the development of online screens in the Microsoft .NET platform. Worked on a team responsible for the assessment, analysis and design of migrating Unisys applications to another platform - the new system was re-hosted as a heterogeneous system with an online part using the Microsoft .NET platform and the batch part utilized an IBM MVS mainframe. Developed the UI layer using ASP.NET/C#. Developed a tool that was responsible for the generation of web pages in two web applications; the tool improved productivity and accuracy up to 80%.
- Resolved architecture related issues and other technical problems. The overall technical environment included: ASP.NET, C#, XML, HTML, IIS 5.0, DB2, IBM Mainframe and Cobol.NET.

**Environment:** Dot Net Framework, Cobo.Net, C#, ASP.Net, Mainframe HTML, MS-Access and SQL Server 2000.

**Advantage Ware Inc Noida, India/ R Systems International Ltd**

**Software Engineer**

**Aug 2004 – May 2005**

**Project: Stock Oriented Service (SOS) Employee Stock Option (ESO) project/ Url Rewriting/ Texas State Opticians (TSO) Web Application**

- Worked on a team responsible for the Employee Stock Option (ESO) customer relationship management suite. Developed the application using ASP.NET, C#, XML, HTML, IIS 5.0 and Oracle 9i; also used Microsoft Application Block for data access. Worked on a team responsible for a US Client creating a Boat Portal; the services provided by the portal include various search criteria for Boats, Broker and Dealer and Boat Accessories, as well as online registration of Buyers and Suppliers of related items, an online shopping store, online Payment Options, Live Support Chat, a Boating Forum, and many more services in related fields.
- Worked on a team responsible for the Texas State Opticians (TSO) web-based application; this web-based application was created so Optometrists could create customized sites for their offices and manage content from the back-end by getting registered with the main site – a user can simply select the doctor's name and visit his office website

**Environment:** ASP.NET, C#, XML, HTML, IIS 5.0 and MS SQL Server 2000.

**Advantage Ware Inc/ Delhi, India/ ISOFT Software Technologies Pvt. Ltd.**

**Software Engineer**

**Aug 2002 – May 2004**

**Project: ERSys Project/ Call Monitoring System**

- Worked on a team responsible for the ERSys project; this application is a complete Enterprise Resource Planning (ERP) product – and contains the following modules: Sales/Marketing, Inventory, Purchase/ Production, Accounts/Excise and HR.
- Worked on a team responsible for the Call Monitoring System – this is a web application for the Sales, Marketing and Administrative departments of Life Technologies Pvt. Ltd. – this company participates in the research, production and sales of Bio-Products. Developed the application using.

**Environment:** Active Server Pages (ASP), VB.Net, HTML, IIS 5.0 and MS SQL Server 2000.

**Professional Reference 1:**

Name	Brian Davisson
Mail ID	<a href="mailto:bdavisson@yahoo.com">bdavisson@yahoo.com</a>
Contact Number	614-226-2997
Designation	Project Lead
Company Name	THirtyonegifts LLC

**Professional Reference 2:**

Name	Rick Ritzler
Mail ID	<a href="mailto:Rick.Ritzler@g2o.com">Rick.Ritzler@g2o.com</a>
Contact Number	614-595-5176
Designation	CTO
Company Name	G2O LLC

**Professional Reference 3:**

Name	Mitesh Patel
Mail ID	<a href="mailto:miteshpatel2011@gmail.com">miteshpatel2011@gmail.com</a>
Contact Number	614-432-3634
Designation	Manager
Company Name	Ohio Department of Public Safety

## Raghava Reddy Maddikara

### Professional Summary

- 12 years of professional experience in Requirements gathering, Analysis, Design, Development, Deployment, Administration, Production support, Troubleshooting and Implementation of technology solutions in Microsoft Application Platform including, but not limited to, Diff .NET Frameworks, ASP.NET MVC, C#/VB.NET, WCF, Web API, LINQ, Entity Framework, AWS, AWS Api Gateway, AWS SQS, Redis, Java Script, JQuery, Angular JS, AJAX, SQL Server, SSIS, SSRS, Oracle.
- Extensive experience with Agile with Scrum Framework and Waterfall methodologies. Strong experience to understand the Software Development Life Cycle and OOPS concepts.
- Experience with JavaScript, jQuery, HTML5, CSS3, bootstrap, AJAX, Layouts, Skins. Experience with Web Services, WCF Services using SOAP and REST. Good experience to write HTTP services using Web API. Good experience with ASP.NET MVC with Razor view engine.
- Worked extensively on jQuery Ajax calls that include consuming REST based WCF and Web API services. Good experience with Entity Framework ORM. Experience on branching, merging, conflict resolution using source control tools such as Git
- Extensive experience with ATLASSIAN products like JIRA, Confluence, and Bit bucket. Experience with GitLab, GitHub, TFS, Visual SourceSafe, Vault and Tortoise SVN. Experience with Log4Net for logging and Microsoft Application Blocks for Logging and Exception Handling.
- Expertise with Stored procedures, Views, Triggers and Functions with SQL Server and Oracle. Experience with SQL, T-SQL, MS SQL Server 2005/2008/2012, Oracle, PostgreSQL and Greenplum databases. Experience with SQL Server reporting services (SSRS) and SQL Server Integration Services (SSIS).
- Thorough knowledge of addressing Performance Issues, Database design and other database related activities, involved in query tuning, Index tuning using SQL Profiler and Execution Plan. Experience in Maintenance, Support, legacy applications for the existing applications
- Experience in handling large volumes of data, instrumental in performance tuning where the volume growth is 6-8 million records per day. Experience in design and implement the SSRS reports and deploy on Report Server. Created ETL packages using SQL Server Integration Services (SSIS) and deployed the same in MSDB.
- Good working knowledge on UML diagrams using Microsoft Visio designer tool. Proven Ability to lead and manage complete project life cycles, from initial Planning/Requirements gathering to final testing and deployment. Experience in coordinating with Development, QA and Production Support teams to fix defects, managing issues and tracking process
- Worked on SLA based production support coordinating with offshore team in resolving tickets in stipulated SLA. Used Service Now tool for tracking production incidents. Extensive domain experience involves Health Care, Energy and Retail.



### Education

- Bachelor's in Computer Science Engineering, 2007, Jawaharlal Nehru Technological University, India

### Certifications

- Microsoft Certified Professional Developer (MCPD) in Designing and Developing ASP.NET Applications Using Microsoft .NET Framework 3.5.
- Microsoft Certified Technology Specialist (MCTS) in Microsoft .NET Framework 3.5 and ASP.NET Application Development.
- Microsoft Certified Technology Specialist (MCTS) in .SQL Server 2008 Database Development
- Microsoft Certified Technology Specialist (MCTS) in .NET Framework 2.0 Web Applications

### Professional experiences

#### **Sony (Funimation Inc.), Flower Mound, TX**

#### **Sr. .Net Developer/Microsoft Full Stack Engineer**

**Dec 2018 – till date**

Funimation Productions, LLC is an American entertainment company that specializes in the dubbing and distribution of foreign content, most notably anime. Sony Pictures Entertainment, a division of the

Japanese conglomerate Sony, is its majority owner. Based in Flower Mound, Texas, the studio is one of the leading distributors of anime and other foreign entertainment properties in North America alongside Viz Media, Sentai Film works, Aniplex of America, and more. Their most popular property is Toei Animation's action-adventure franchise Dragon Ball.

- Participated in daily Scrum Meeting and ensured that client and end-user expectations were met for various projects. Involved in full life cycle of the project (analysis, trading design, development, testing, and implementation). Implemented the Agile Methodology.
- Maintenance and enhancement of ASP.NET MVC (using C#) application – add new functionality and modify any existing one. Redesign and develop Client side using HTML, CSS, and JQuery. Efficiently executed SDLC catering to successful delivery of application suite. Used LINQ and Lambda expressions to query the collection of objects
- Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing.
- Designed and Developed of RESTful Services using Web API and consumed it in ASP.NET. Configure the application in IIS, implement SSL. Implement authentication mechanism using Microsoft 2-way authentication.
- Strip Payout integration using Token based authentication. Identify bottlenecks and bugs, and devise solutions to these problems. Ability to set clear performance standards, and hold team members accountable, while keeping team engaged and on task.

**Environment:** .NET Framework 4.5, C#, ADO.Net, Asp.Net, VS 2017, Web API, LINQ, Bit Bucket, AWS Redis Cache, MVC C#, ASP.Net Core Web API, JQuery, MS SQL Server, MYSQL, GitHub, Visual Studio 2013/2017, SQL Server 2012/2016, SSRS, VB.Net, ASP.Net, HTML, CSS, XML, Javascript, SSRS.

#### **Thomson Reuters, Dallas, TX**

#### **Sr. .Net Developer/Microsoft Full Stack Engineer**

**Jan 2017 – Dec 2018**

Aumentum Tax is a government revenue management system, it is an integrated software system that manages the entire property tax life cycle, combining and incorporating Recorder, CAMA, Tax, eGovernment, GIS, and eGov applications among others.

- Involved in End-to-End development of the application which involves full life-cycle of the project from Requirements analysis, Design, Development & Deployment of the application. Interact with business people to understand the requirements.
- Design and developed enterprise application using Agile Methodology (Scrum Model). Worked with C# in developing the middle tier. Worked with ASP.NET MVC and Sql Server 2012/2014. Developing the application using C#, VB.Net, UI in JavaScript /JQuery/JSON, LINQ, HTML, CSS, Bootstrap, Angular 2, Bento, Kendo and JQuery UI with Responsive Design.
- Developed stored procedures, views, temporary tables, cursors, user-defined functions, triggers using T-SQL. Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing.
- Worked with Sql server 2014 as a back end development. Worked with Entity Framework and LINQ to query the C# application. Designed the UI using CSS 3.0, Bootstrap, HTML 5, Ajax, JQuery, and Angular 2.
- Used TFS for version control. Extensively worked on JSON and \$. Ajax calls as application involves all the CRUD operations in client side. Developed lot of custom code for client-side validation using jQuery. Responsible for managing and controlling the continuous release promotion cycle through automation including the following environments: Development, QA, Pre-prod and Production. Work with development/testing, deployment, systems/infrastructure, and project teams to ensure continuous operation of build and test systems.
- Well versed with Transact SQL scripts, Complex Stored Procedures, Triggers and Functions. Involved in addressing Performance Issues, Query tuning, Index tuning using SQL Profiler

**Environment** : .NET Framework 4.5, C#, ADO.Net, Asp.Net, VS 2017, VS 2015, Web API, jQuery, Angular 2, Bento, Entity Framework, LINQ, TFS, Power Shell, Visual Studio 2013/2017, SQL Server 2012/2016, SSRS, VB.Net, ASP.Net, HTML, CSS, XML, Javascript, SSRS , SQL Server, Resharper, Telerik Controls, NuGet, log4Net

#### **Peak Reliability, Fort Collins, CO**

## Peak Reliability Synchrophasor Program (PRSP) Registry

Apr 2016 – Dec 2016

Peak Reliability Synchrophasor Program (PRSP), is a project of Peak to improve PMU data availability, accuracy and sharing with its members. The Registry component provides an interface to access and manage an AF framework database known as Peak's Registry. Registry components act as source of information for customers to discover and review model assets owned by a Peak member / entity within the Western Interconnection. In addition to assets, Registry can create and store circuit and/or phasor pair mappings. Owners can modify their data such as Owner, Substation, PMUs, PDCs, etc. The Registry provides a system of record for Synchrophasor assets and automatically notifies PeakRC modelers when certain pre-defined asset attributes are modified so that these can be vetted and any corresponding adjustments to the model made in controlled manner.

- Involved in End-to-End development of the application which involves full life-cycle of the project from Requirements analysis, Design, Development & Deployment of the application.
- Elicit and analyze business processes and requirements from technical and non-technical teams. Development of Web based, real time application using .Net Framework 4.5, MVC, WCF, LINQ, SharePoint 2013, AngularJS.
- Extensively worked on Agile Project Management using TFS 2015, like creating work items and check-in files against work items. Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing.
- Design and develop razor views using Telerik UI for ASP.Net MVC. Analysis, Design and Development of Registry webpart using SharePoint 2013.
- Create LINQ queries to retrieve data from database. Design and develop a WCF services to access data from database. Design and develop Business and Data Access components.
- Create and maintain database objects. Develop Application layer using ASP. Net, Server controls, HTML Controls and Validation controls. Designed Graphical User Interface (GUI) for various web pages using, Telerik controls, HTML, CSS, Bootstrap, JavaScript and JQuery.
- Create production release package, Artifacts and deployment. Production support for Registry application. Effort estimation, offer suggestions to improve processes
- Performs technical root cause analysis and outlines corrective action for given problems. Organize tasks and estimate delivery times. Create and maintain technical documentation
- Interact with Product Owner throughout project lifecycle Serve as the technical and functional subject matter expert. Developed Asp.Net WebApi which converts xml file to Naspiformat. Assist in the development of training documentation, and provide training when requested

**Environment:** Visual Studio 2015, ASP.Net, C#, MVC, WCF, SQL Server 2012, Telerik Dev Tools, AngularJS, Sharepoint 2013, OSISoft AF Framework, TFS , [ADO.NET](#), .NET Framework 4.5, LINQ, Style Cop.

Genscape Inc.

Sr. Net Developer

Jul 2013 – Apr 2016

Genscape Power Signal Calibration Tool a responsive, single page application which is an internal tool specially designed for Analyst team who can able to view all the data related to power plants like Mw, Mvars.Etc. Power Signal Calibration Tool has been created by using AngularJS, jQuery, NPM, Bower, Grunt on the front-end application structure and CSS3, HTML5, and Bootstrap on the UI/UX. Using PostgreSQL and Oracle as database-backed on the data tier along with a suite of RESTful Web API services on the server.

By Using Power Signal Calibration Tool, User can view the Measurements of Plants by Unit level and line level using various algorithms to calculate the Measurement values in chart format. If User find any discrepancies, User can modify the input values to optimize the values to get the correct values. Once User find the modified values are correct, He can save the data into database.

- Involved in End-to-End development of the application which involves full life-cycle of the project from Requirements analysis, Design, Development & Deployment of the application.
- Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing. Interact with business people to understand the requirements.

- Design and developed enterprise application using Agile Methodology (Scrum Model). Participated in sprint planning and story point estimation with Scrum Team and attend daily scrum meetings.
- Extensively worked on Agile Project Management using Tortoise SVN, GitHub and Atlassian Bit bucket for distributed version control of all software development like creating work items and check-in files against work items. Technical Analysis and provided solutions using .Net Framework, C#, ASP.NET, WCF, Ajax, JQuery, LINQ, Entity Framework, XML, SQL Server.
- Design and development of Middle tier/Data access layer/Business Components using C#/SQL Server. Extensively worked on Bootstrap, CSS, AJAX, Master Pages, JQuery, and XML.
- WCF services development and deployment. Developed lot of custom code for client-side validation using jQuery. Well versed with Transact SQL scripts, Stored Procedures, Triggers, and Functions and worked on SQL Optimization.
- Extensively worked on Unit, Integration and Acceptance testing. Involved in addressing Performance Issues, Query tuning, Index tuning using SQL Profiler and Execution Plan.
- Responsible for maintaining versions of source code using Team Foundation Server

**Environment:** Visual Studio 2015, ASP.Net, C#, MVC, WCF, SQL Server 2012, Telerik Dev Tools, AngularJS, SignalR, OSISoft AF Framework, TFS , [ADO.NET](#), .NET Framework 4.5, LINQ, Style Cop, PGADMIN

### **Genscape Alert Generator Tool**

#### **Sr. Net Developer**

Genscape Alert Generator Tool a responsive, single page application which is an internal tool specially designed for Analyst team who can able to create and view all the alerting data related to Storage, Refineries and Pipelines.

By Using Alert Generator Tool, User (Analyst) can create alerts related to every event related to Storage, Pipeline and Refineries to customers through emails/sms after approval. User can verify the alerts which have been sent to customers in this tool.

- Involved in End-to-End development of the application which involves full life-cycle of the project from Requirements analysis, Design, Development & Deployment of the application. Design and developed enterprise application using Agile Methodology (Scrum Model).
- Participated in sprint planning and story point estimation with Scrum Team and attend daily scrum meetings.
- Extensively worked on Agile Project Management using Tortoise SVN, GitHub and Atlassian Bit bucket for distributed version control of all software development like creating work items and check-in files against work items. Technical Analysis and provided solutions using .Net Framework, C#, ASP.NET, Web API, Ajax, JQuery, LINQ, Entity Framework, XML, SQL Server.
- Design and development of Middle tier/Data access layer/Business Components using C#/SQL Server. Extensively worked on CSS, AJAX, Angular 1.6, JQuery, and XML. Have worked with JSON objects, as application handles the data in JSON format. Well versed with Transact SQL scripts, Complex Stored Procedures, Triggers and Functions
- Created SSIS packages to automate the existing Adhoc processes. Extensively worked on Unit, Integration and Acceptance testing. Involved in addressing Performance Issues, Query tuning, Index tuning using SQL Profiler and Execution Plan.

**Environment:** Visual Studio 2015, ASP.Net, C#, MVC, WCF, SQL Server 2012, Telerik Dev Tools, AngularJS, SignalR, OSISoft AF Framework, TFS , [ADO.NET](#), .NET Framework 4.5, LINQ, Style Cop, PGADMIN

### **Genscape RMU Analysis Tool**

#### **Sr. Net Developer**

Genscape RMU (Radio Monitoring Unit) Analysis Tool is an internal tool specially designed for Analyst team who can able to view all the data related to RMUs by site wise and point to point direction.

Each RMU sends EOT log and dpu log files which are having all the information related to it like packet\_id, packet type, unit\_id, received date, Address etc... Which will be loaded into respective tables through SSIS package, This SSIS package removes the first 3 headers rows in the float file (EOT/DPU log file) and loads the data into the tables. The loaded data will be retrieved from RMU Analysis Tool with few filter conditions like terminal type, terminal name, and by passing several parameters like EOT time, Time period etc... After retrieving the data, Analysis can save the parameters into the database.

- Involved in End-to-End development of the application which involves full life-cycle of the project from Requirement gathering, Analysis, Design, Development & Deployment of the application. Involved in Sprint planning, Demo and story point estimation in an Agile Scrum Team.
- Developed web-based application using ASP.NET MVC 4.0 which consists of View, Controller and Model classes and WCF, JQuery, SOAP, LINQ, Entity Framework 6.0, JQuery, JavaScript, SQL Server 2012.
- Designed UI components for the application using Razor cshtml views and partial views. Extensively worked on performance tuning of the SQL queries, by creating staging tables that had proper indexes set and had proper joins. Used SSIS Packages to migrate files from RMUs to a PostgreSQL destination tables Using Npgsql by working on variables, for each loop container, derived column, error logging, etc. Worked extensively on Data mapping from Source to Destination.
- Analysis on raw data made to make it normalized for migration to existing system. Creating packages that are portable by using package configurations. Migrating data from different sources like Flat File sources, Excel Spreadsheets, Web services. PostgreSQL database etcHave worked with JSON objects, as application handles the data in JSON format. Have written Unit and Integration tests for API testing using Nunit.

**Environment:** ASP.NET MVC 4.0, .NET Framework 4.0, ASP.NET, C#, VS 2012, WCF, Web API, JQuery, Entity Framework, LINQ, SQL Server 2012, HTML5, CSS3, NuGet, log4Net, AJAX, JavaScript and TFS

### **Social Interest Solutions, Sacramento, CA**

#### **Sr. Net Developer**

**Mar 2013 - July 2013**

The project titled 'Health-E-Arizona' models the anticipated functionality of the Health Insurance Exchanges (HIX) under the Affordable Care Act. States can use Connect2Coverage to make design decisions for Exchange implementation. Consistent with federal guidance, Connect2Coverage models and illustrates elements such as those described below to help stakeholders visualize and understand various functions

- Involved in End-to-End development of the application which involves full life-cycle of the project from Requirement gathering, Analysis, Design, Development & Deployment of the application. Design and developed enterprise application using Agile Methodology (Scrum Model). Technical Analysis and provided solutions on .Net Framework, C#.NET, ASP.NET, MVC, WCF, Ajax, JQuery, SOAP, SOA, LINQ, Entity Framework 4.3, XML, JavaScript, SQL Server.
- Design and development of Middle tier/Data access layer/Business Components using C#/SQL Server. Extensively worked on WCF services using SOAP and REST. Implemented Admin module using ASP.Net MVC 3.0 with Razor View Engine. Extensively worked on CSS, AJAX, Master Pages, JavaScript, jQuery, and XML. Well versed with Transact SQL scripts, Complex Stored Procedures, Triggers and Functions
- Extensively used Stored Procedures/SQL statements to create the reports using SSRS. Developed the SSRS reports and Deployed in SQL Server 2008 Report Server. Used SSIS to migrate files from legacy systems that were already in the system to a SQL server destination tables. Involved in addressing Performance Issues, Query tuning, Index tuning using SQL Profiler and Execution Plan.
- Database design using Erwin design tool and SQL Optimization. Responsible for maintaining versions of source code using Team Foundation Server

**Environment:** .NET Framework 4.0, ASP.NET, C#.NET, ASP.NET MVC 3.0, VS 2010, WCF, jQuery, Entity Framework, LINQ, SQL Server 2008 R2, SSRS, SSIS, TFS, XML, HTML5, CSS, Ajax, JavaScript

### **Humana Inc., Louisville, KY**

#### **.Net Developer**

**June 2012 - Mar 2013**

Right Source Rx is a prescription home-delivery facility offered to Humana members. In 2006, Humana opened its state-of-the-art mail-order facility, Right Source Rx. This home-delivery service is available to all Humana members. RightSourceRx is the commercial name whereas MailRxWebServices (or MailRx) is the name of Java web services application that is used by RightsourceRx system. MailRxWebServices are being used by Right Source Web, IVR, GCP, Mobile, Silver link and Web Registry to provide various services like Order Refill, Registration, Eligibility, Update Patient Profile, and Order History. MailRxWebServices in turn use vendor supplied MailRx APIs for above operations through SOAP request and response. MailRX APIs interact with TRexWeb database using Remote Method Invocation (RMI).

These Web Services are deployed on dedicated WebLogic 8.1 and 9.2 Servers. McKesson, the leading healthcare IT provider, is the vendor of the underlying core application which is responsible for order processing and fulfillment process.

In addition to this project, we did migration of data from existing system Mailrx to new system ANS. Major Tasks in this project were to create and modify the stored procedures to load the daily feeds to database system according to client requirement using SSIS packages and schedule it and testing the migrated data in UI.

- Involved in End-to-End development of the application which involves full life-cycle of the project from Requirement gathering, Analysis, Design, Development & Deployment of the application. Design and developed enterprise application using Agile Methodology (Scrum Model).
- Developing Application with WCF Service Visual Studio 2008. Check in/out to/from the TFS (Team Foundation Server). Prepare test cases. Unit Testing. Responsible for documentation, code reviews – self & peer reviews, coding, testing (unit & integration), defect fixing. Responsible for writing the stored procedures using MS SQL Server 2008
- Worked on performance tuning of all applications in this area. Handled the SQL programming using SQLServer 2008, Worked extensively on stored procedures for extracting different columns from different tables to extract datasets based on the requirements
- Extensively worked on performance tuning of the stored procedures, by creating staging tables that had proper indexes set and had proper joins. Used SSIS to migrate files from legacy systems that were already in the system to a SQL server destination table by working on variables, for each loop container, derived column, error logging, etc.,
- Involved in converting legacy application from MS Access and Excel applications to C#.Net. Extensively used stored procedures to create the reports with cascading parameters and improved the performance of my reports by eliminating extraneous data fields and setting up time-out values for them. Worked extensively on Data mapping from Source to Destination. Analysis on raw data made to make it normalized for migration to existing system. Creating packages that are portable by using package configurations.
- Migrating data from different sources like Flat File sources, Oracle database etc. Worked on SLA based Production support for application deployed on production. Responsible for maintaining versions of source code using Team Foundation Server.

**Environment:** ASP.Net/.Net, C#, Web Forms, Visual Studio 2008, .Net Framework 3.5, SQL Server 2008, T-SQL, ADO. Net, SOAP, IIS 6.0, HTML, CSS, AJAX, Java script, Windows XP, TFS, Visio

**Tata Consultancy Services, Hyderabad, India**

**.Net Developer**

**Nov 2007 - June 2012**

**Projects**

- EA (Enterprise Architecture)-Corridor for Humana Inc.
- FT (Falcon Tracker) for Davita Inc.
- CSS (ChaisideSnappy) for Davita Inc.
- PRT (Physician Rounding Tool) for Davita Inc.
- Visa Tracker for TCS Internal
- TSCPSC (Team Scorecard and Personal Scorecard) for TCS Internal

**Environment:** .NET Framework 2.0, C#, VB.Net, Visual Studio.NET 2005, Java script, Ajax, XML, HTML, SQL Server 2005, SQL Reporting Services, WCF, Web Services, Remoting, IIS

- SPOC for Onsite manager. Have participated in both requirement reviews and design meetings with multiple teams. Interacted with customer for requirement gathering and clarity. UI development using HTML, CSS, Java script and AJAX. Involved in the design of Database
- Creation of Stored Procedures Triggers and user defined functions using SQL Server 2005. Involved in User Acceptance Testing. Deployment of application on staging/production servers.

**Professional Reference 1**

<b>Name</b>	<b>Naresh Panjala</b>
<b>Mail ID</b>	Naresh.Panjala@funimation.com
<b>Contact Number</b>	9725890736
<b>Designation</b>	Sr.Software Developer



<b>Company Name</b>	Funimation Inc.
---------------------	-----------------

**Professional Reference 2**

<b>Name</b>	<b>Achyuth Reddy Minnama</b>
<b>Mail ID</b>	Achyuth.Minnama@funimation.com
<b>Contact Number</b>	6168185263
<b>Designation</b>	Sr.QA Analyst
<b>Company Name</b>	Funimation Inc.

**Professional Reference 3**

<b>Name</b>	<b>Rahul Tavargeri</b>
<b>Mail ID</b>	Rahul.Tavargeri@funimation.com
<b>Designation</b>	Software Engineering Manager
<b>Company Name</b>	Funimation Inc.

## Sunita Sahoo

### **Professional Summary**

- Around 12 years of relevant experience in Microsoft .NET Framework, C#. NET, VB.NET, ADO.NET, ASP.NET, WCF, Winform, WPF, MVVM, LINQ, MVC 4.0, Angular JS, JQuery, AJAX, Classic ASP, XML, SQL, Oracle, JavaScript, Entity Framework.
- Excellent Technology Absorption Capability ranging from Web and Client/Server. Well versed with Back end, Middle tier, front end and GUI Development. Good Work Experience in Agile Methodology
- Programming, Testing, Documentation. Good understanding of developing Web Services using SOAP and XML, WCF Services. Extensive experience in SQL Server, Stored Procedures, Functions, Queries.
- Experience in Oracle database. Experience in Software Development Life Cycle, Design, Development, Testing, Implementation and Support of Client/Server applications using C#, with N-tier development environment. Strong analytical and programming skills coupled with knowledge of object-oriented analysis and design methodologies.
- Good Analytical and Communication Skills. Excellent team player with problem-solving and troubleshooting capabilities. Keen at learning and adaptable to any kind of emerging new technologies.
- Test driven development experience. Experience with unit testing by using N-unit test and Visual Studio unit test projects. Good knowledge on SSIS and SSRS.
- Developed Single Page Application using Angular Routing. Experience in creating Custom Directives in AngularJS. Experience in creating Controllers, Services in AngularJS. Created RESTful services using Web API. Extensively created WPF applications using MVVM architecture. Managing team, doing code review. Mentoring and leading the offshore team. Learning ReactJS

### **Education**

- B. Tech in Electrical Engineering from Biju Patnaik University of Technology, Odisha, India.

### **Technical Skills**

Microsoft .NET Technologies	C#, VB.NET, ASP.NET, MVC 3.0, MVC 4.0, ADO.NET, WPF, WCF, LINQ, Classic ASP, Entity Framework 5.0
Markup Language	XML, HTML, XSL
Scripts	Java Script, VB Script, JQuery, Angular JS
Database	SQL Server 2005/2008 R2, SQL Server 2012, SQL Server 2016, MS Access, Oracle 10.6
RAD Tools	Visual Studio 2005/2008/2010/2013/2015/2017, VSTO 2010, Visual Source Safe Team Foundation Server, Clear case Server for source code repository.
Other Tools	Atlassian JIRA Tool for defect tracking, HPE Application Lifecycle Management (ALM), Github, HPE iTrace, HPE Project Work Book, BMC Control-M tool for Batch jobs, Mantis, Fxcop, CA AGILE Central
Operating System	Windows 2003, XP, Vista, Window 7, Windows 10, Windows Server 8, Windows Server 12
Framework	.NET Framework 4.7, 4.5, 4.0, 3.5, 3.0, 2.0

### **Employment Information**

- Hewlett-Packard, Bangalore, India, Aug 2007 – Dec 2016
- Hewlett-Packard/ DXC Technology, USA, Dec 2016 – Sep 2017
- GSS Infotech, Oct 2017 – Till Date

### **Professional Experience**

#### **Cigna Health Insurance, Windsor, Connecticut/ Windsor, Connecticut, USA**

#### **Senior .Net Developer / Tech Lead**

#### **Oct 2017 – Current**

**Benefit Information Decision System (BIDS) and Benefit Access (BA) Re-Write:** Cigna, a global health insurance service company, has a Smalltalk based applications called BIDS (Benefit Information Decision System) and Benefit Access. The project is about Upgrade/Rewrite of these Smalltalk applications to latest .Net technologies. This application allows users to sculpt Medical and Dental benefit plans based upon a Client's particular benefits package. Benefit plans are created from prototypes, which are then tailored to

reflect any legislative and/or client specific changes. These benefit plans are linked to structure and generated to an inquiry-only application (Benefit Access) where Customer Service Representatives can access them using structure indicatives i.e. account number, policy code, claim division, HMO/Group, Branch/ Plan and benefit code.

BIDS consists of three parts:

1) Product Engineering: Prototype is created using Eligibility Rules, Claim Plans, Eligibility Definitions, Provisions, Named Bounds, Benefits, Sub-benefits, Bounds, Factors, Rules( uses factors). Prototype is basic benefit plan.

2) Benefit Plans: It uses prototype and modifies according to Client's particular benefits package

3) Compliance Instruction: It uses prototype and applies the state and legislation.

Finally Compliance Instruction is linked to Benefit Plan.

Using BIDS application, benefit plan is created. Next step is, these benefit plan is generated to a text file.

This text file contains all the information pertaining to benefit plan. This text file is then processed by main frame and the information is stored in Centralized Benefit Access(CBA) database. BA application queries Centralized Benefit Access(CBA) database using account specific indicatives.

New BIDS is being developed using windows application.

- Analyzing the application in Smalltalk and preparing analysis document. Preparing technical design document for .NET development. Designing tables, business entites. Involved in code reviews. Developed data driven applications. "Benefit Information Decision System (BIDS) and Benefit Access (BA)Re-Write", was a modernization project. The legacy application was in smalltalk. I had re-written to .Net Framework with SQL server as backend. Developing and unit testing various application using winform
- Database synchronization such as table change, stored procedure change, reference data change among various environments (DEV, SYS, INT, PROD). Fixing issues during system test, UAT & production support.
- Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing. Giving sprint demo to client. Providing post implementation support for any issue or defect after release
- Co-ordinating between onsite and off-shore team. Managing team, performing code review, mentoring the team. Implement the performance improvement suggestions provided by DPA tool such as adding indexes, modifying stored procedures. Involving in sprint planning and PI(Program Increment) planning. Work on improving Code metrices, involve in daily build activity during testing

**Tools:** .Net Framework 4.7, C#, Winform, Visual Studio 2013/2017, SQL Server 2012/2016, SSRS, VB.Net, ASP.Net, HTML, CSS, XML, Javascript, SSRS, TFS, CA Agile Central, Web Forms, Database Performance Analyzer by Solarwinds (DPA)

**Hewlett Packard Enterprise, USA/ India/ TennCare, Nashville, TN/ Nashville, Tennessee, USA**

**Senior .Net Developer**

**Aug 2007 – Sep 2017/ Dec 2016 – Sep 2017**

**TCOS:** TennCare is the state Medicaid program in the U.S. state of Tennessee. The project has a web application TENNCARE ONLINE SERVICES. Here TennCare providers and trading partners can:

Verify TennCare eligibility, can enter, review, and submit or adjudicate claims. Claims are received from enrolled providers for covered services. Before processing the claims, eligibility is verified. Claims are accurately processed and adjudicated in accordance with State and federal requirement. Data from Provider, Client, Third-Party payers (TPL) and Claims History is used in processing claims. It also checks for duplicate claims. Paid claims can be adjusted. Adjustments pull the information from the original Paid claim and store the adjustment information. Claims Resolution function is to support the correction of suspended claims. Long Term Care Processing function processes claims for the MR, elderly disabled, Home and Community Based Services (HCBS) waivers and Long Term Care institutional programs. Claims Pricing function calculates the payment amount for each service according to the rules and limitations applicable to each claim type, category of service, and type of provider.

- Developed and maintained XML based Web application. Converted classic asp code into ASP.NET code. Involved in source code analysis, code walk through. Preparing Technical Design Document. Analyze, design, implement and integrate functional requirements in the solutions using SDLC. Deploy the application in IIS, into Production and post deployment validation. Developed data driven

applications. Handling production issues

- Involved in production support, debugging code for existing system with Visual Studio 2013, add comments to code documenting code changes, worked with BA to define new features, configure existing code, software testing. Participating in work product reviews (WPRs) of requirement design document prepared by business analysts, technical design document prepared by other developers, test case documents prepared by testers. Provided support for model and Integration Testing. Resolved issues related to Testing. Resolved the production issues.

**Tools:** .Net Framework 4.5, C#, Classic ASP, ASP.NET, WebForms, JQuery, AJAX, XML, XSL, Visual Studio 2015, Oracle 10g, Windows 12 Server, HPE ALM, DXC iTrace Tool, Visual Studio 2013/2017, SQL Server 2012/2016, SSRS, VB.Net, ASP.Net, HTML, CSS, XML, Javascript, SSRS , DXC Project Work Book, Clear Case for server control, HP fortify, Cross browser compatibility

**RightFax to FileNet TIFF Transfer Tool:**

TennCare receives thousands of faxes containing information from their customers. Currently, the Operations business users cannot easily search, access, or view a several thousand fax files which reside on the RightFax server. The operation business users must use the RightFax client application to attempt to locate a given file that was received through fax transmission. There is no automated way to be able to locate a specific form. So, the operations business user must manually look through each form (based on the file received date) in the RightFax client application until the needed form is found.

RightFax to FileNet TIFF Transfer tool separates multipage TIFF files to single page TIFF file, renames single page TIFF file and transfers from RightFax system to FileNet system. Once loaded in FileNet, the existing linking program is used to link the files to Siebel. The Operations business users will then be able to search, view, and print (if needed) the intended TIF files through Siebel.

.NET program is written to separate multiple images to single page TIFF image, renames the single page TIFF file and saves the mapping between original TIFF file and single page TIFF image in database.

- Developing the tool using SDLC. Preparing Technical Design Document
- Participating in work product review of requirement design document prepared by business analysts, technical design document prepared by other developers, test case documents prepared by testers.
- Participating in work product review of other developers. Deploying and executing the tool in production and post deployment validation

**Tools:** .Net Framework 4.5, C#, Visual Studio 2015, Oracle DB 10g, HPE ALM, DXC iTrace Tool, DXC Project Work Book, Clear Case, Windows Server 12

**Halyard Health, Alpharetta, GA/ Bangalore, India**

**Senior .Net Developer/ Technical Lead**

**Sep 2015 – Nov 2016**

This project has two web applications:

**SAP User Access Review Tool (SUART):** SAP Access Review tool web application will be used by the Team Leaders and their Delegates for performing the review for roles played by their respective team members during the review window period. The main purpose of this web application is to come up with an audit finding consisting of list of team leaders / delegates who have not been reviewing the SAP roles of their respective team members.

**SAP Role Database Web Application:** Primary function is to manage SAP Role owners/ authorizers, SAP System owners/authorizers.

**SUART Interface Batch Jobs/ SAP Role Database Interface Jobs:** There are many jobs executing the code in VB scripts and .NET. VB scripts brings the data from active directory & writes to CSV files. The next step is handled by .NET code (VB.NET & C#), .NET console application inserts the data from CSV file to database (SQL Server).

- Developed the front-end UI using Angular JS. Developed Single Page Application using Angular Routing. Created Custom Directive in AngularJS. Created Controllers, Services in AngularJS. Created RESTful services using Web API. Handling both the application and all the jobs solely.
- Gather Requirements from Client. Direct interaction with Client. Analyze, design, implement and integrate functional requirements in the solutions using SDLC. Deploy the application in IIS, into Production. Handling production issues. Managing team, doing code review. Mentoring the team

**Tools:** .Net Framework 4.5, VB.NET, C#, ASP.NET, VB Script, Java Script, Batch Job, Visual Studio 2013, Classic ASP, SQL Server 2012, Windows 8 Server, BMC Control-M tool for batch jobs, MVC 4.0, Angular JS, Entity Framework 5.0, LINQ, Web API/REST, JQuery

**Department of Motor Vehicle – Niles, MI/ Bangalore, India****Senior .Net Developer/ Technical Lead****Aug 2012 – Aug 2015**

MIBAM is the application used for automating and providing Online Services for the citizens of US pertaining to all the activities associated with the Department of Motor Vehicles such as Issue of Driving License, Renew Driving License, Renew Registration, Duplicate Title Registration, Renew State ID, etc. The various transactions associated with the vehicles are all automated, so that the entire process of maintaining the centralized database across the United States is dealt in an effective manner. The various interface checks like Insurance Check, Address Standardization Check, and MDR Checks are all automated so that all these checks are done in a single way to maintain the entire database in an effective way.

- Having huge functional knowledge on driving license module. Handling technical issues. Overseeing development, testing and bug fixing. Assist programmers to understand coding and functionality of each module in detail for the project related to functional and technical perspectives.
- Managing document reviews and code reviews. Working on improving Code metrics. Involved in daily build activity during testing. Conducting knowledge sharing sessions. Deploy the application in IIS, into Production and post deployment validation. Managing team, doing code review. Mentoring the team

**Tools:** Windows application, VB.NET 3.5, WCF, LINQ, VS2008, TFS 2008, SQL Server 2008 R2, MVC 3.0, MVC Architecture, DevX Controls, Windows 7, Atlassian JIRA tool for defect tracking, ADO.Net

**Trans Alta Hydro Scheduling System, Canada/ Bangalore, India****.Net Developer****Nov 2011- Jul 2012**

The Trans Alta's hydro Scheduling system is used to develop plans for the operation of Trans Alta's 13 Hydro plants located in the Bow River and North Saskatchewan River catchments. It contains a daily time step forecasting tool used for mid-range planning, and an hourly time step forecasting tool used for short range planning. Trans Alta requires migration of existing Excel/VBA based Model Interface Application to .Net platform.

- Involved in Analysis of requirement. Involved in Creating POC (Proof of Concept). Preparing Analysis Document. Preparing Low Level Design Document. Reviewing System Test Cases. Reviewing Operation Manual
- Involved in UI Design and Development and Writing Business Logics. Conducting Unit testing using .NET Test Project. Involved in Code Coverage and Static Code Analysis Reports with .Net Tools and Custom Rule Set.

**Tools:** WPF 4.0, C#.net 4.0, VSTO 2010(Excel), Visual Studio 2010, WISKI (Water Information System for Kisters (Only for Hydraulic Power Plants)), Windows 7, ADO.Net

**Work Location: Bangalore, India****ISIS Re-engineering Program (IRP), IAEA, Austria/India****.Net Developer****Apr 2010 – Oct 2011**

The main aim of this project is re-engineering the existing IAEA's (International Atomic Energy Agency) Integrated Safeguards Information Systems (ISIS). It's containing of 3 projects

- Reference Data Management (RDM). State Supplied Data Handling (SSDH). Safeguards Effectiveness Evaluation Information Systems (SEEIS). Each project is a Functional domain and Each Functional domain is divided into Functional Contexts. It is an integrated desktop application of all this project.
- Involved in RDM UI Document Design. Involved in coding of Data Access Layer, Business Layer, Service Layer and UI Screens of different functional context and functional domain in RDM Project.
- Involved in UI screen development using WPF, MVVM pattern. Conducted Unit testing using .NET Test Projects and fixing defects of system tests. Involved in Code Coverage and Static Code Analysis Reports with .Net Tools and Custom Rule Set. Involved in Creating SQL Queries. Involved in taking daily backup of database, daily back up of code from client TFS. Monitoring new team members. Worked in AGILE methodology

**Tools:** WPF 4.0, C#.net 4.0, MVVM, PRISM (CAL), WCF, ADO.Net, Enterprise Library 5.0, TFS 2008, Visual Studio 2010, AGILE Process, SQL Server 2008 R2, Windows 7

**IAP Migration Tool, Schaffhauser Kantonal Bank, Switzerland/ India/ Bangalore, India****.Net Developer****Oct 2009 – Mar 2010**

Schaffhauser Kantonal bank in Switzerland have purchased HP Email Archiving software for Microsoft Exchange (HP EAs Exchange or EAsE) for email archiving. HP PST Automated Tools have helped Schaffhauser Kantonal bank to automate the archival of PSTs generated as a result of Outlook Auto Archive functionality. A set of tools and scripts (collectively called as “PST Automated Import Tools”) are used to automate the PST import process. As part of the automation, the Folder Recreation tool recreates the PST folder structure back in the user mailbox and copies the archived mail items (Tombstones) to their respective folders. Additionally, the PSTs that are successfully processed by the Folder Recreation tool can be deleted by the Deletion tool.

- Prepared the Requirement Specification document. Prepared the Technical Specification document
- Worked on preparing User Manual. Developing different modules. Prepared the automated script and integrating with the modules. Unit testing and fixing Bugs during System Testing, UAT, Production Phases. Involved in preparing System Test Case. Involved in build and deployment activities.

**Tools:** Visual Studio2005, Net2.0, C#, VBScripts, Redemption Library, Microsoft Exchange Programming, MS Access Database, TFS 2005, ADO.NET

### **Godrej Intranet Portal, Godrej Industries, India/ Bangalore, India**

#### **.Net Developer**

#### **Dec 2008 – Sep 2009**

Godrej group of companies required the implementation of a corporate wide employee Intranet Portal which would address the requirements of “A single place of reference” for company wide information. “A single place of reference”, wherein the employees access one Portal to perform their daily activities, personalization, social networking capabilities such as Blogs and Wikis. Before implementation, each company had its own Intranet portal and maintained applications that cater to individual company requirements. This portal developed on a MOSS environment caters to the self-service requirements of the employees within the organization. The Employees could access the portal to Apply Leave, Reimburse Claims, IT Related requisitions etc. The applications are developed using a customized three tier architecture using ASP.net, C# and SQL Server 2005. These applications are hosted into the MOSS portal via Page Viewer web parts. Specific requirements such as hosting documents, Employee referencing, Companywide announcements, Wikis, Blogs and Employee sub sites are implemented in MOSS 2007.

- Created Web Pages using ASP.NET 3.0 and C# .net. Created Stored Procedures. Taking the ownership of a module till the delivery. Coding different layers and integrating with MOSS-2007 environment.
- Unit testing and fixing defects during System Testing, UAT and Production Phases. Involved in updating System Test Case. Involved in build activities. Deploy the application in IIS, into Production and post deployment validation

**Tools:** C#, ASP.NET 3.0, ADO.NET, Java Script, Web Services, Visual Studio2005, VSS (Visual Source Safe), SQL Server 2005.

### **SIROCO Migration Windows Application, BCEE, Luxemburg/ India/ Bangalore, India**

#### **.Net Developer**

#### **Sep 2007 – Sep 2008**

BCEE is one of the major Banks in Luxembourg. BCEE had developed its major banking application using the “Foundation for Cooperative Processing” case tool. To address the end of support of this case tool, HP had helped BCEE to migrate its client “Siroco” application developed in “C” to VB.Net. The VB.Net migrated application had to work as similar as the existing C application and also on a customized architecture provided by BCEE and by using the custom developed controls. This is a windows application.

- Migrating the existing code from “C” to VB.Net. Followed the BEST Practices of writing code and code management using FxCop. The initial application was written in C and I had migrated to VB.Net.
- Unit testing, Integration testing and Co-Existing testing with the core screens. Involved in the complex screens migration and taking the ownership for the screens. Used Mantis tool track and fix the bugs at every phase of testing.

**Tools:** VB.Net, Visual Studio2005, VSTFS (Visual Studio Team Foundation Server 2005), Web Services, Inter window Communications and Mantis, Windows XP, FxCop.

#### **Professional Refernces:**

##### **Reference #1**

<b>Contact Name :</b>	John Jackson
<b>Title:</b>	Senior Tech Lead

<b>Organization:</b>	CGI/ Cigna client
<b>Telephone:</b>	860-902-3070 / 203-887-4275
<b>Email:</b>	<a href="mailto:John.jackson@cigna.com">John.jackson@cigna.com</a>

**Reference #2**

<b>Contact Name :</b>	<b>Janet Marie Daigle</b>
<b>Title:</b>	Product Owner
<b>Organization:</b>	CGI/ Cigna client
<b>Telephone:</b>	860 916 7811
<b>Email:</b>	<a href="mailto:Janetmarie.daigle@cigna.com">Janetmarie.daigle@cigna.com</a>

**Reference #3**

<b>Contact Name :</b>	Sunitha Maddineni
<b>Title:</b>	Manager
<b>Organization:</b>	CGI/ Cigna client
<b>Telephone:</b>	860-902-3022/ 860-299-5688
<b>Email:</b>	<a href="mailto:Sunitha.maddineni@cigna.com">Sunitha.maddineni@cigna.com</a>