



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***. 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*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header # 2

[List View](#)

**General Information** [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 1640548

Procurement Type: Central Master Agreement

Vendor ID: VS0000028707

Legal Name: CLOVITY INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 05/05/2025

Response Time: 15:02

Responded By User ID: ClovitySales

First Name: Cameron

Last Name: Starman

Email: sales@clovity.com

Phone: 925-264-6360

SO Doc Code: CRFQ

SO Dept: 0802

SO Doc ID: DMV2500000004

Published Date: 4/28/25

Close Date: 5/6/25

Close Time: 13:30

Status: Closed

Solicitation Description: Mainframe Application Programmer Technical Staffing Services

Total of Header Attachments: 2

Total of All Attachments: 2



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

State of West Virginia  
Solicitation Response

**Proc Folder:** 1640548  
**Solicitation Description:** Mainframe Application Programmer Technical Staffing Services  
**Proc Type:** Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2025-05-06 13:30	SR 0802 ESR05052500000006716	1

**VENDOR**  
VS0000028707  
CLOVITY INC

**Solicitation Number:** CRFQ 0802 DMV2500000004  
**Total Bid:** 0  
**Response Date:** 2025-05-05  
**Response Time:** 15:02:22  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
John W Estep  
304-558-2566  
john.w.estep@wv.gov

**Vendor**  
**Signature X** **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	Mainframe Application Programmer Technical Staffing Services				0.00

Comm Code	Manufacturer	Specification	Model #
81111600			

**Commodity Line Comments:**

**Extended Description:**

Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV.





**CLOVITY RESPONSE**  
**To**  
**WV DEPARTMENT OF ADMINISTRATION, PURCHASING DIVISION**  
**For**  
**CRFQ 0802 DMV2500000004**  
**MAINFRAME APPLICATION PROGRAMMER TECHNICAL STAFFING SERVICES**

**05 May 2025**

**Submitted by:**

**Clovity, Inc.**  
11501, Dublin Blvd., #200  
Dublin California – 94568  
Phone: 925-264-6360  
Fax: 925-558-4499  
Website: [www.clovity.com](http://www.clovity.com)

Point of Contact:  
**Anubhav Tyagi**  
Phone: 510-626-9096  
Email: [procurement@clovity.com](mailto:procurement@clovity.com)

***Minority Owned Business Enterprise (MBE), Small Business Enterprise (SBE)***



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Solicitation #CRFQ 0802 DMV2500000004  
Mainframe Application Programmer Technical Staffing Services

CRFQ\_0802\_DMV2500000004\_4\_WV\_CRFQ\_FORM

	<b>Department of Administration</b> Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130	<b>State of West Virginia</b> Centralized Request for Quote Info Technology
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<b>Proc Folder:</b> 1640548	<b>Reason for Modification:</b> ADDENDUM NO_3 Vendor Questions and Response Bid Opening Moves to 05/06/25		
<b>Doc Description:</b> Mainframe Application Programmer Technical Staffing Services			
<b>Proc Type:</b> Central Master Agreement			
<b>Date Issued</b>	<b>Solicitation Closes</b>	<b>Solicitation No</b>	<b>Version</b>
2025-04-28	2025-05-06 13:30	CRFQ 0802 DMV2500000004	4

**BID RECEIVING LOCATION**

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

**VENDOR**

**Vendor Customer Code:** VS0000028707  
**Vendor Name:** Clovity Inc.  
**Address:** 11501, Dublin Blvd., #200  
**Street:**  
**City:** Dublin  
**State:** California **Country:** United States **Zip:** 94568  
**Principal Contact:** Anubhav Tyagi  
**Vendor Contact Phone:** 510-626-9096 **Extension:** N/A

**FOR INFORMATION CONTACT THE BUYER**

John W Estep  
304-558-2566  
john.w.estep@wv.gov

Signed by:  
  
99014D147997486...

**Vendor**  
**Signature X**

**FEIN#** 26-4043035

**DATE:** 05/02/2025

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

Date Printed: Apr 28, 2025

Page: 1

FORM ID: WV-PRC-CRFQ-002 2020/05



Solicitation #CRFQ 0802 DMV2500000004  
Mainframe Application Programmer Technical Staffing Services

**ADDITIONAL INFORMATION**

**ADDENDUM NO\_3**

Addendum No\_3 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 WV Division of Motor Vehicles (DMV) to establish a contract for technical mainframe application programmer technical staffing services. This will be an Open-End services contract that will provide the services of Mainframe Application Programmer Analysts. Per the Bid Requirements, Specifications, Terms and Conditions attached to this contract.

INVOICE TO		SHIP TO	
DIVISION OF MOTOR VEHICLES 5707 MACCORKLE AVE. S.E., SUITE 200  CHARLESTON                      WV US		DIVISION OF MOTOR VEHICLES RECEIVING AND PROCESSING 5707 MACCORKLE AVENUE, S.E. SUITE 200 CHARLESTON                      WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Application Programmer Analysts Contract Cost for 1 year based on hourly rate -- Year One	20,000 (8x2500)	Hours	99	1,980,000

Comm Code	Manufacturer	Specification	Model #
81111600			

**Extended Description:**

Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Application Programmer Analysts Contract Cost for 1 year based on hourly rate -- Optional Year Two	20,000 (8x2500)	Hours	102	2,040,000

Comm Code	Manufacturer	Specification	Model #
81111600			

**Extended Description:**

Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV



Solicitation #CRFQ 0802 DMV2500000004  
Mainframe Application Programmer Technical Staffing Services

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Optional Year Three	20,000 (8x2500)	Hours	105	2,100,000

Comm Code	Manufacturer	Specification	Model #
81111600			

**Extended Description:**

Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Optional Year Four	20,000 (8x2500)	Hours	108	2,160,000

Comm Code	Manufacturer	Specification	Model #
81111600			

**Extended Description:**

Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV

**SCHEDULE OF EVENTS**

	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2025-04-17



Solicitation #CRFQ 0802 DMV2500000004  
Mainframe Application Programmer Technical Staffing Services

DocuSign Envelope ID: 9010330D-2727-4F22-8383-972CDE2F683C	Document Phase	Document Description	Page 3
DMV2500000004	Final	Mainframe Application Programmer Technical Staffing Services	

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions



ADDENDUM ACKNOWLEDGEMENT FORM

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CRF Q DMV2500000004**

**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 checked="" 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 Ge specifications by an official addendum is binding.

Clovity Inc.

Company

Signed by:

Anubhav Tyagi

99014D147997486

Authorized Signature

05/02/2025

Date

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



## ADDENDUM ACKNOWLEDGEMENT

**Date:** 05/02/2025

**To:** WV Department of Administration, Purchasing Division

**Subject:** Declaration of Addendum for CRFQ 0802 DMV2500000004

Dear John,

In reference to the Request for Proposal CRFQ 0802 DMV2500000004, issued by WV Department of Administration, Purchasing Division, Clovity, Inc. hereby acknowledges the receipt and incorporation of the following addenda as part of our proposal submission:

- **Addendum 1** – Issued on **08 April 2025**
- **Addendum 2** – Issued on **10 April 2025**
- **Addendum 3** – Issued on **28 April 2025**

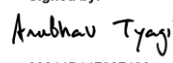
We confirm that all changes, clarifications, and instructions outlined in the above-referenced addenda have been reviewed and incorporated into our proposal. We understand that these addenda are part of the official RFP documentation and have ensured that our response is fully aligned with the amended terms and conditions.

If you require any additional information or clarification, please do not hesitate to contact us.

Thank you for your attention to this matter.

Sincerely,

**Anubhav Tyagi**  
**Bid Manager**  
**Clovity, Inc.**

Signed by:  
  
Signature: 99014D147997486...





## LETTER OF INTRODUCTION

Clovity Inc. is a leading staffing and workforce solutions provider with a focus on delivering exceptional talent across the public and private sectors. Founded in 2008, the company has built a robust reputation through its commitment to excellence in IT, Non-IT, Healthcare, Skilled Trades and Administrative Staffing. Over the past 16 years, Clovity has worked with a wide array of clients, including government agencies, healthcare organizations, and Fortune 500 companies. This wealth of experience makes Clovity highly qualified to meet the staffing needs for projects like UC Design and other technical roles in dynamic environments.

Clovity operates with a diverse and dynamic workforce, employing over 200 professionals. The company has a well-distributed presence in key locations across the U.S. and internationally, including Japan, Sweden, London, and a dedicated offshore staffing hub in Noida, India. This global footprint allows Clovity to offer both onshore, near shore and offshore workforce and payroll solutions, ensuring quick and efficient deployment of resources for projects of varying scales and complexities.

Clovity specializes in providing tailored staff augmentation services across diverse sectors. We offer flexible staffing solutions for contract, contract-to-hire, and permanent positions, effectively addressing the varied needs of our clients. Our expertise spans IT, non-IT, and healthcare roles, ensuring the delivery of highly qualified talent to meet the specific requirements of each engagement.

Legal name and address of the company:	Legal Name: Clovity Inc. Address: 11501, Dublin Blvd., #200 Dublin California – 94568
Name and address of the principal place of business responsible for the work:	Place: Dublin, California Address: 11501, Dublin Blvd., #200 Dublin California – 94568
Name, title, address, telephone number, and email address of person to contact concerning the Proposal.	Name: Anubhav Tyagi Title: Bid Manager Telephone Number: (510) 626-9096 Email: <a href="mailto:procurement@clovity.com">procurement@clovity.com</a>
Legal status of proposer	Incorporation
Person legally authorized to sign an agreement for the company.	Anuj Sachdeva



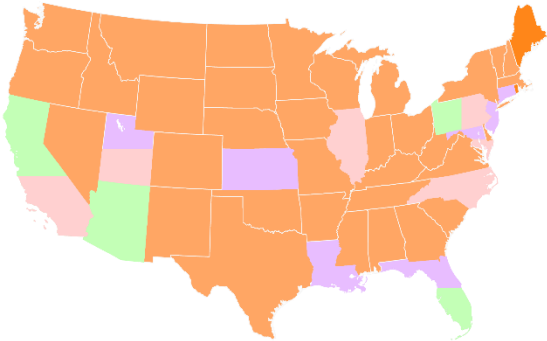
CLOVITY’S EXPERIENCE

Clovity brings over 16 years of experience in delivering specialized staffing solutions across a range of industries, with a particular focus on the public sector. We have a proven track record of successfully serving clients in the State, Local, and Education (SLED) space, consistently meeting the unique needs of government agencies, municipalities, and educational institutions.

Proven Expertise in the SLED Sector:

Clovity has partnered with numerous public sector entities, providing strategic staffing solutions tailored to meet the specific demands of each client. Our experience spans a wide array of government agencies, municipalities, and educational institutions, including but not limited to:

- State of Louisiana
- Maryland Judiciary
- State of Massachusetts
- Florida Department of Management Services
- University of California (Davis)
- State of West Virginia
- City of Sacramento
- Cincinnati Metropolitan Housing Authority
- Chicago Public Schools
- City of Sunnyvale
- Tampa International Airport



STATE GOVERNMENT	LOCAL	EDUCATION
<ul style="list-style-type: none"><li>• State of Louisiana</li><li>• Maryland Judiciary</li><li>• State of Massachusetts</li><li>• State of Kansas</li><li>• Florida Department of Management Services</li><li>• State of Kansas (Healthcare)</li><li>• State of Utah</li></ul>	<ul style="list-style-type: none"><li>• Maricopa County</li><li>• City of Philadelphia</li><li>• Oakland County</li><li>• City of Sunnyvale</li><li>• City of San Mateo</li><li>• Seminole County</li><li>• City of Sacramento</li><li>• Cincinnati Metropolitan Housing Authority</li><li>• City of Palmdale</li><li>• Tampa International Airport</li></ul>	<ul style="list-style-type: none"><li>• UC Davis Health</li><li>• Salisbury University</li><li>• North Carolina Community College System</li><li>• University of Utah (Health) – RFP #04162021MC</li><li>• Chicago Public Schools</li><li>• The School District of Philadelphia</li></ul>

This breadth of experience highlights Clovity's capacity to address the unique challenges faced by public sector organizations. We have consistently delivered exceptional staffing services, providing our clients with qualified, experienced personnel to meet the dynamic needs of their projects.

Tailored Staffing Solutions for Public Sector Success:

At Clovity, we deeply understand the unique requirements and challenges of public sector staffing. Whether it is ensuring compliance with stringent regulations, delivering candidates who possess the specialized expertise required, or addressing the tight timelines of public sector projects, we have built our processes to meet these needs effectively.

We have developed a reputation for deploying the most skilled personnel to meet our clients' needs, regardless of the role. Our team is adept at sourcing top-tier professionals with expertise across multiple areas, ranging from digital marketing to administrative support, content management, IT services, and more. With a focus on aligning talent with client-specific requirements, we ensure that the personnel we deploy are capable of making an immediate and impactful contribution.

Addressing Public Sector Hiring Challenges:

Based on our extensive experience in the public sector, we are very well aware of the unique challenges that often arise in public sector hiring processes. These include navigating stringent compliance



requirements, managing extended recruitment timelines, and accessing a specialized pool of qualified candidates.

At Clovity, we are committed to addressing these challenges by providing streamlined staffing solutions that ensure our clients have access to the right talent when they need it most. Our understanding of the public sector landscape allows us to bridge these gaps, delivering high-quality candidates in a timely manner.

### Why Clovity for the City of Bainbridge Island?

- **Proven Track Record:** Over 16 years of experience delivering skilled professionals for government entities.
- **Tailored Solutions:** Expertise in recruiting and placing professionals with the specific skills required to meet public sector needs.
- **Commitment to Excellence:** A reputation for deploying highly qualified, experienced personnel capable of delivering results in any given role.
- **Filling Gaps in Public Sector Hiring:** We are dedicated to overcoming the challenges faced by public sector organizations, providing efficient and effective staffing solutions to meet their requirements.

Clovity's extensive experience in the SLED space, combined with our commitment to providing the highest level of service, positions us as an ideal partner to support the City of Bainbridge Island's staffing needs. We look forward to the opportunity to further discuss how we can contribute to the City's continued success.

## CLOVITY'S APPROACH TO PROJECT (DESIGNED FOR DMV)

### DMV'S MISSION:

At Clovity, we understand that the West Virginia DMV's mission goes far beyond processing forms and issuing licenses-it's about keeping the state's roads safe, supporting citizens and businesses, and upholding the trust of the community. We know that every update to a driver's record, every system enhancement, and every moment of operational uptime matters to the people who rely on DMV services every day.

### HOW CLOVITY INTENDS TO SUPPORT THE DMV'S MISSION:

Our approach is simple: provide the right people, with the right skills, at the right time. We carefully select Mainframe Application Programmer Analysts who not only meet the technical requirements-like deep expertise in COBOL, CICS, DB2, and DMV systems-but who also understand the importance of accuracy, security, and compliance in a highly regulated environment<sup>1</sup>.

We recognize that the DMV's mainframe systems are the backbone of critical services, and that any delay or error can have real-world consequences. That's why our team is committed to:

- **Ensuring seamless day-to-day operations** by providing reliable, experienced professionals who can quickly step in and keep systems running smoothly.



- **Supporting modernization and compliance efforts** by developing enhancements that help the DMV meet new federal and state mandates, such as AAMVA CDLIS Modernization and FMCSA requirements<sup>1</sup>.
- **Maintaining the highest standards of security and confidentiality**, fully respecting the sensitive nature of DMV data and adhering to all agency protocols and privacy laws<sup>1</sup>.
- **Being responsive and flexible**, so if staffing needs change or urgent issues arise, we're ready to help the DMV adapt without missing a beat.

Above all, we see ourselves as partners in the DMV's mission. Our goal is to empower your teams to serve West Virginians with excellence-making every transaction smoother, every record more accurate, and every road a little safer.

#### TECHNICAL EXPERTISE:

Erie Insurance, based in Erie, Pennsylvania, encountered difficulties in maintaining and improving its legacy mainframe systems, which were essential for policy administration, claims processing, and regulatory compliance. The company required specialized mainframe programmers to resolve a backlog of system enhancements, ensure uninterrupted business operations, and support ongoing modernization efforts. With the internal IT team already at capacity, sourcing experienced COBOL, JCL, and DB2 professionals from the local market proved to be a significant challenge.

#### CLOVITY'S RESPONSIBILITIES AS A CONTRACTOR:

Clovity was engaged to provide staff augmentation services, supplying experienced Mainframe Application Programmer Analysts to Erie Insurance. The contractors were responsible for:

- Analyzing business requirements and translating them into technical specifications for mainframe system enhancements.
- Designing, developing, and testing new features and modifications using COBOL, JCL, CICS, and DB2.
- Supporting daily operations, including troubleshooting production issues, resolving incidents, and providing on-call support.
- Leading and mentoring Erie's internal teams on mainframe best practices and knowledge transfer.
- Documenting technical changes, updating system documentation, and participating in code reviews to ensure quality and compliance.
- Collaborating with business analysts, QA teams, and project managers to deliver solutions on time and within scope.

#### DELIVERED SOLUTION:

Clovity's team successfully integrated with Erie Insurance's IT department, quickly ramping up to address critical business needs. The mainframe contractors delivered:

- Timely enhancements to core insurance processing applications, reducing backlogs and improving operational efficiency.
- Improved system reliability and faster resolution of production issues, minimizing downtime for business users.
- Knowledge transfer and upskilling of Erie's internal staff, strengthening the company's in-house mainframe capabilities.
- Comprehensive technical documentation and process improvements, supporting ongoing system modernization and regulatory compliance.



This partnership enabled Erie Insurance to maintain business continuity, meet regulatory requirements, and advance its digital transformation goals without disruption.

#### CLOVITY'S MAINFRAME AND TALENT POOL CAPABILITIES:

Clovity offers a robust mainframe staffing practice with over 1000+ experienced employees and contractors supporting public sector and Fortune 500 clients nationwide. Our mainframe talent pool is distinguished by:

- Over 90% of our mainframe professionals have 10+ years of mainframe programming experience, specializing in COBOL, CICS, and DB2 environments.
- All candidates presented in resume section for DMV projects meet or exceed the RFP's requirements for expertise in JCL, DB2, and CA tools (including RC/Update, PRF, and CA-7), with hands-on experience in mainframe batch processing, stored procedures, and system enhancements.
- More than 30 consultants in our network have direct experience public sector customers, ensuring familiarity with regulated government environments.
- Clovity's mainframe experts have successfully delivered staff augmentation projects for clients such as Erie Insurance (PA) and multiple state agencies, consistently meeting service continuity and compliance mandates.

With our proven recruitment engine and deep technical bench, Clovity ensures rapid deployment of mainframe programmers who bring not only technical excellence but also a clear understanding of regulatory, operational, and security requirements unique to DMV environments.

#### CLOVITY'S IMPLEMENTATION AND SUPPORT PLAN:

##### Pre-Engagement Readiness

Clovity has proactively sourced and pre-screened **8 qualified candidates** with direct experience in DMV systems, AAMVA compliance, and IBM mainframe environments. These candidates:

- Fully meet or exceed the RFP's mandatory requirements, including 5+ years of COBOL/CICS/DB2 experience, JCL, and CA tools expertise.
- Are **immediately available** for deployment, subject to DMV background checks and final approval.
- Have undergone Clovity's rigorous 4-stage screening process, which includes technical assessments, behavioral interviews, reference verifications, and DMV-specific scenario testing.

In addition, Clovity has **screened an additional 15 backup resources** to ensure rapid replacement and continuity of service if needed. This bench of qualified candidates is ready to be deployed within the required 10-business-day replacement window.

All technical screenings are conducted **in-house by Clovity professionals with over 15 years of specialized mainframe domain experience**, ensuring that candidates possess not only technical proficiency but also a deep understanding of mainframe best practices and DMV-specific regulatory requirements.



Phased Onboarding Approach

PHASE	TIMELINE	KEY ACTIVITIES	OUTCOME
Phase 1: Security & Access	Days 1–3	<ol style="list-style-type: none"><li>1. Complete DMV-mandated background checks and PII/confidentiality training.</li><li>2. Execute NDAs and confidentiality agreements (Exhibits B and C).</li></ol>	Candidates cleared for secure access to DMV systems without delay.
Phase 2: System Orientation	Days 4–7	<ol style="list-style-type: none"><li>1. Shadow existing DMV staff to understand workflows and system nuances.</li><li>2. Review system documentation including JCL, DB2 schemas, and ACD code libraries.</li><li>3. Conduct parallel testing in non-production environments.</li></ol>	Full operational readiness with minimal disruption to ongoing DMV work.

Transition & Continuity Planning

- **10-business-day replacement guarantee** supported by a vetted bench of 15 backup mainframe programmers with DMV experience.
- **Overlap shadowing** for a minimum of 5 days between outgoing and incoming contractors to ensure thorough knowledge transfer.
- Continuous talent pipeline management to maintain availability of DMV-qualified mainframe resources in the Mid-Atlantic region.


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RESUMES & REFERENCES OF THE PROPOSED PERSONNEL

1. **BERHANE G. HAWARIAT**



delivering cutting edge technology

**BERHANE G. HAWARIAT**

Security Clearance of level 1C by the office of Personnel Management for the Department of Education.

**PROFESSIONAL SUMMARY:**

Experience in full life cycle development using DB2, CICS and VSAM applications. Strong experience as Software Engineer (Sr. Programmer/Developer/Analyst) using DB2, COBOL II, VSAM, JCL, NATURAL, SAS, TSO and ISPF on various operating systems like OS/390, IBM 1390, MVS ESA, DOS and WINDOWS 2000. Involved in SQL tuning and performance. Excellent experience on documentation procedures and systems that helped the project achieves Capability Maturity Model (CMM) level 3 (peer reviews, code walkthroughs). Primary objectives are to provide custom software development, quality assurance, production support, or related services; preferably with exposure to new skills.

**PROFESSIONAL EXPERIENCE:**

**SR. PROGRAMMER**  
**COREWELL HEALTH**

**NOV 2023 – TILL DATE**

- Develop, test, and maintain mainframe applications using COBOL, JCL, and related tools to meet client requirements.
- Analyze existing codebases to identify issues, optimize performance, and implement necessary modifications.
- Monitor batch jobs and online systems to ensure smooth execution and adherence to SLAs.
- Troubleshoot and resolve production incidents by reviewing logs, system dumps, and error messages promptly.
- Collaborate with business analysts and stakeholders to understand requirements and deliver solutions accordingly.
- Assist in deploying code changes, patches, and updates following established change management procedures.
- Perform system and data integrity checks, including backups, restores, and data validation.
- Review and update technical documentation, including code comments, test cases, and process workflows.
- Participate in code reviews and team meetings to ensure quality and best practices are maintained.
- Stay updated with mainframe technology trends and security standards to support compliant and efficient operations.

**SR. PROGRAMMER**  
**LOCKHEED MARTIN, MD**

**JULY 2008 – NOV 2023**

- Provided development and maintenance support for CPMS system. CPMS (Case Processing Management System) system is SSA's project to enhance and improve the efficiency of its hearing and appeals case processing system by evaluating the current business process and recommending alternatives to increase efficiency through electronic processing.

**SR. PROGRAMMER**  
**OFFICE OF THE CHIEF TECHNOLOGY OFFICER, DC**

**AUG 2005 – JULY 2008**



- Provided development, maintenance and on-call production support for Department of Motor Vehicle (DMV) - DESTNY system.
- The DESTINY system is a customer-centric, integrated Drivers License and Vehicle Registration information system and consists of PowerBuilder, CICS, COBOL, DB2 and IBM distributed CICS middleware.
- Developed test plans and conducted functional testing

**Technologies:** IBM OS/390, COBOL II, JCL, SYNCSORT, NDM, FILEAID, XPEDITER and IBM UTILITIES.

**SENIOR SYSTEMS ANALYST**

**CAREFIRST BLUE CROSS BLUE SHIELD, MD**

**JAN 2004 – MAY 2005**

- Created programs (DB2/COBOL), Jobs and Procs to the Provider Information Group at Carefirst
- Blue Cross Blue Shield to delete Tax, Contract, Institution and Practitioner information from PIMS (Practitioner Information Management System) and Audit Tables, so that the system can reuse the provider numbers.
- Developed test plans and conducted functional testing.
- Migrated software to production
- Documented Programs (DB2/COBOL).

**SOFTWARE ENGINEER**

**LOCKHEED MARTIN, MD**

**JUNE 1998 – JULY 2003**

- Provided maintenance and on-call production support to the Federal Office of Child Support Enforcement (OCSE) system.
- Provided Y2K database conversion support and testing.
- Created and modified programs (DB2/COBOL), JCL's and database tables.
- Developed test plans and conducted functional testing.
- Migrated legacy systems into endeavor version control software.
- Documented procedures and systems that helped the project achieve Capability Maturity Model (CMM) Level 3.
- Involved in business/ functional requirements definition, systems analysis/design SQL/Cobol application development, and providing end-user support services.

**Technologies:** IBM OS/390, COBOL II, DB2, JCL, CLIST, PANELS, VISIO, ENDEVOR and IBM UTILITIES

**SOFTWARE ENGINEER**

**BELL ATLANTIC, BELTSVILLE, MD**

**JUNE 1997 – JUNE 1998**

- Preformed DB2/MVS enabled Billing System Skills Transfer for Developers.
- Updated/tested COBOL II modules Billing System.
- Performed DB2 application development life cycle using QMF (on-line reporting), SPUFI (Tuning/testing COBOL queries) and SQL Queries.
- Redesigned software that improved the system performance by over 30 percent.

**Technologies:** IBM OS/390, COBOL II, DB2, JCL, and IBM UTILITIES.

**SYSTEMS ANALYST**

**VISTECH, INC., CHANTILLY, VA**

**SEPTEMBER 1995 – JUNE 1997**

- MCI Telecommunications: Problem Diagnosis/Resolution for DB2, CICS and COBOL application.





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- Federal Reserve Board: Team member involved in systems maintenance for savings and loan and Credit Union Systems to generate quarterly financial statements.
- Computer Data Systems Inc: Team member involved in the design, Development and implementation of the Central Database Subsystem (CDS) For the Department of Education Direct Loan System. Analyzed maintenance requirements for loan data, created program specifications and developed/tested programs.

**Technologies:** IBM OS/390, COBOL II, DB2, JCL, CLIST, PANELS, SAS, VISIO and IBM UTILITIES.

**SYSTEMS ANALYST**

**MCI, ARLINGTON, VA**

**MARCH 1986 – SEPTEMBER 1995**

- Executed full life cycle system development from initial design through production implementation for Business Marketing.
- Managed contractors and automated the process for producing four major Reports: Private Line, 800 Service, Vnet, and T-1 for a large financial Institution.
- Responsible for the billing project for a nationally known credit bureau. Created: (1. A single output summary file of corporation IDs call detail, 2. An enterprise summary listing, 3. A master invoice allowing for one-check payment. 4. Call detail by department for customer's field locations).
- Involved in the analysis of the MCI Network, Prism III and Fax Billing Systems of Commercial Billing.
- Served as a point of contact for any production problems.
- Responsible for Network Rebill (Monthly Development of JCL, PROCS, Programs, Documentation, and testing).
- Created releases using ENDEAVOR to coordinate with users.
- Provided production support and enhancement for the Multiplex Equipment Maintenance System.

**Technologies:** IBM OS/390, COBOL II, JCL, CLIST, PANELS, SYNC SORT, NDM, FILEAID, ENDEVOR, XPEDITER and IBM UTILITIES.

**EDUCATION:**

- **Wilmington College, Wilmington, Delaware**  
Bachelor of Arts: Business Management (minor: Economics)
- **Control Data Institute, Arlington, Virginia**  
Course: Computer Programming and Operations
- **U.S. Department of Agriculture, Graduate Studies, Washington, D.C.**  
Courses: COBOL II Programming, Systems Analysis and Design, DB2 (SQL), Data Base Design, Visual Basic

**TECHNICAL SKILLS:**

Software/Database: ORACLE, MS ACCESS, DB2, SPUFI, QMF, FILE AID, NDM, XPEDITER, VISIO, and MS WORD

DB Utilities: SQL PLUS, ORACLE FORM/REPORTS

Name:	Rohit Ranjan
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Phone no.:	510-229-2230
Designation:	Program Manager
Organization:	Corewell Health



2. BHARATHI BUSABOINA



**BHARATHI BUSABOINA**

**SUMMARY:**

I am a Mainframe Professional currently working for Capital One with a total experience of 15 years. I worked on BFSI and gained in-depth knowledge of the Domains. I worked at onsite locations from 2018.

**CERTIFICATIONS/Training:**

- Completed Diploma in General Insurance (INS) when working for Farmers Insurance Group at CSC.
  - INS 21 (Principles of Liability and Insurance)
  - INS 22 (Basics of Personal Insurance)
  - INS 23 (Basics of Commercial Insurance)
- VisionPLUS Training at Kanbay when working for HSBC Bank: I have gained knowledge of Banking Modules in VisionPLUS.
- IBM Data Scientist Certification from Coursera Sep 2021.
- Wealth Management Knowledge: I have knowledge of Wealth Management domain when I worked for Ameriprise Financial Services and CDS (Canadian Depository for Securities).

**EDUCATION:**

Bachelor of Technology in Computer Science & Engg from Jawaharlal Nehru Technological University (Campus), Apr 2000.

**TECHNICAL SKILLS:**

**Languages:** COBOL, JCL, REXX, EZTRIEVE, SAS, SQL, PL/SQL, c, C++, Java  
**Environment:** IBM Mainframe, PC's and UNIX machines.  
**Operating System:** OS 390, MVS, UNIX, Windows® 95/98/NT/Professional  
**Database:** DB2, VSAM, IMS-DB, Oracle  
**Internet Tools:** HTML, DHTML, Java Script, MS-FrontPage  
**Mainframe Tools:** TSO, ISPF, File-Aid, QMF, PST, SPUFI, MQ-Series, IBM Utilities, MS Visio, Changeman, Endeavor, Insync, BMS, SDF II  
**Software Packages:** VisionPLUS  
**Testing Tools:** Test Director, CA-Intertest, Code-370, Xpediter.  
**Scheduling Software:** CA7/CA11, Control-M.

**PROFESSIONAL EXPERIENCE:**

**Capital one – Senior Application Analyst:** 11/2024 – Till date  
**Mainframe Developer/ Prod Support.**

Monitor mainframe applications and batch jobs, ensuring smooth operation and SLA adherence. Review logs, reports, and alerts for anomalies and errors, responding promptly to issues and outages to minimize downtime. Diagnose and resolve production incidents by analyzing logs, dumps, and system messages, collaborating with development and infrastructure teams. Assist in deploying code changes, patches, and updates according to change management procedures.

**WVDOT – Senior Application Analyst:** 02/2023 – 11/2024  
**DMV- Vehicles /Drivers - Mainframe Developer/ Prod Support.**  
**Day to Day activities include:**  
Mainframe coding using COBOL, DB2, JCL, VSAM, CICS, Intertest, Control - M.



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Production Support – Monitoring the Nightly batch and all Production jobs

**Environment:** COBOL, DB2, CICS, SQL, VSAM, DB2 Stored procedures, VSAM.

**Operating systems:** OS/390, Windows 95/NT.

**U.S. Bank - ACAPS**

**11/2018 – 05/2022**

**Mainframe Developer/Automation Engineer**

Automated Credit Application Processing System is a comprehensive, on-line, instant response system that Supports the capture, investigation, approval, closing, documentation, and booking of credit applications for consumer loans including direct, indirect, broker, manufactured housing, small business credit cards, installment, revolving, bank branded and co-branded products.

**Day to Day activities include:**

Mainframe automation using HATS, SOAPUI, TCB and Eclipse.

Developed Hats macros and executed them on SoapUI. Integrated the Rest Services into ETM framework through TCB and Eclipse.

**Environment:** COBOL, DB2, CICS, SQL, vsam, jcl, xpediter.

**Operating systems:** OS/390, Windows 95/NT.

**Ameriprise Financial Inc. – IPI**

**04/2018 – 06/2018**

**Clearing Services Tech Lead**

**Location:** Ameriprise Financial Inc., MN.

The acquisition of Investment Professionals, Inc (IPI) has opened an opportunity for a new channel and source of revenue.

**Technical Responsibilities include –**

- System study and User Interaction
- Analyzed Requirements and specification documents using Visio/flow charts.
- Developed DB2 Stored procedures.
- Develop code modules to implement the enhancements needed for IPI assets to move into Ameriprise.

**Environment:** COBOL, DB2, IMS DB, SQL, vsam, JCL, xpediter, fileaid, changeman,

**Operating systems:** OS/390, Windows 95/NT.

**Farmers Insurance Group - Commercial Line Services**

**04/2008 – 12/2010**

**Technical and Functional Analyst/Project Lead**

**Location:** CSC, Hyderabad, India.

**Technical Responsibilities include:**

- User Interaction.
- Requirements gathering.
- Proposals for enhancements to the Existing system.
- Helping with Business and Technical related queries to both Client and Offshore teams.
- Preparation of Design documents and Effort Estimates.
- Monitoring Development, Conducting Reviews/Walkthrus. Maintaining defect log and tracking them to closure.



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- Reviewing Production Implementation plan.
- UAT and Live Implementation Support, Post Implementation Validation and support.
- Software Process Improvements.

**Other Responsibilities include:**

Developing SOW, Project Charter, Work Schedule, Issue Log, Defect Log, RACM matrix for Risk Control. Audit and Compliance Reports.

**Environment:** Cobol 370, OS 390 (IBM Mainframe), VSAM, CICS, JCL, IBM DCF Script, CHANGEMAN, FILEAID, DB2, REXX, CA-Intertest, XPEDITER, Abend Aid, EZTRIEVE, SAS

**Sun Life – Group Retirement Services**

**12/2006 – 02/2008**

**Team Lead/ Technical SME**

**Location: Capgemini (Previously Kanbay), Hyderabad, India.**

- Analysing Legacy COBOL-IMS programs
- Writing specifications / Low Level Design Documents,
- Analysing IMS DB Structure and Developing DBDGEN and PSBGEN for accessing IMS DB
- Coding COBOL-IMS programs, programs, Peer Review, preparation of Unit Test plans, Unit Testing COBOL-IMS programs, Capturing Unit Test Results,
- Production Support
- Estimation, Scheduling

**Environment:** OS/390, IMS DB, DB/2, COBOL370, JCL., IBM OS/390

**HSBC – CTA-CCS–Cobrand**

**08/2005 – 12/2006**

**Team Lead**

**Location: Capgemini (previously Kanbay), Hyderabad, India.**

- Coding COBOL-CICS programs, Preparing Unit Test Plans,
- Testing the COBOL-CICS programs using expeditor, CICS Screens.
- Perform regression testing, Integration testing.
- Production Support

**Environment:** COBOL, VSAM, Xpeditor, CICS, IBM OS/390

**Prudential Insurance Inc. - Actuarial Systems Maintenance & Enhancements** **04/2004 – 06/2005**

**Team Lead**

**Location: TCS Chennai, India.**

- Design and Development on Mainframe.
- Developed Unit Test Plans and performed regression and Integration testing.

**Environment:** Cobol, VSAM, DB2, REXX, Xpeditor, CA7, IBM OS/390, WINDOWS 95/NT

**United States Automobile Association**

**01/2003 – 04/2004**

**Property & Casualties Analytical Data Store (PCADS)**

**Developer / Onsite Coordinator**

**Location: USAA San Antonio, Texas.**





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- Design and Development of Extract, Transformation and Load phases of the project on Mainframe using COBOL-IMS and COBOL-DB2 programs.
- Developing Unit Test Plans, regression testing and Integration Testing.
- Production Support.

**Environment:** COBOL, JCL, Xpeditor, VSAM, DB2, IMS-DB, PL/1, CA7/CA11, SPUFI, PST, QMF, IBM OS/390, WINDOWS 95/NT

**Policy Administration System  
Batch Systems Interface Developer**

**01/2002 – 01/2003**

**Location:** TCS Chennai, India.

- Analyzing Legacy Cobol Programs as project is being modernized using reengineering.
- Design document preparation using Use cases
- Writing Specifications and pseudo code in QPP.
- Coding in C++
- Peer reviews and inspection
- Testing and capturing Unit Test Results

**Environment:** MVS-OS/390, Windows NT, UML, C++, Q++, DB2, QMF, SPUFI, Master craft, IBM OS/390, WINDOWS 95/NT, SAS.

**Canadian Depository for Securities Limited  
Security Master File Developer**

**09/2001 – 01/2002**

**Location:** TCS Chennai, India.

- Interaction.
- Requirements gathering
- Proposals for enhancements to the Existing system.
- Design, Coding, preparing Unit Test Plans, perform regression testing, Integration testing.
- System monitoring

**Environment:** COBOL II, SQL, DB2, SPUFI, CICS, ISPF, QMF, PWB (Programmer's Working Bench) for designing CICS screens, ASA (Automated Standards Auditor) for checking code standard, TCA (Test Coverage Analyzer) for testing logical flow of code, CODE370 for debugging the code.

**Operating System:** IBM OS/390, WINDOWS 95/NT.

**PROFESSIONAL REFERENCE:**

Name:	Sivaram Kalapatapu
Email:	<a href="mailto:sivaram.kalapatapu@capitalone.com">sivaram.kalapatapu@capitalone.com</a>
Phone no.:	973-841-9477
Designation:	Director – Application Programming
Organization:	Capital One



3. BHUVANESHWARAN SELVARAJ



**BHUVANESHWARAN SELVARAJ**  
**MAINFRAME TECHNOLOGY LEAD**

**CAREER SUMMARY:**

- Highly motivated Mainframe Technology Lead/ Solutions Architect with 11 years of experience as Solutions Architect, Technology Lead, Team Lead and Business Systems Analyst roles in various business applications across Automotive, Distribution, Logistics, Service & Warranty, Marketing, Customer Relationship Management, Retail and Supply Chain domains
- Proven experience in legacy modernization and migration projects
- Worked as quality assurance analyst – defect tracking, analysis, conducted technical and process quality audits
- Proven skills in system analysis.
- Expert in developing Business Requirements Document, Business Process Design, Work Flow Diagrams and AS-IS and TO-BE diagrams.
- Cross-functional expertise, encompassing Technical Analysis and Specifications, Data Analysis, Design, Quality Assurance and Full Life Cycle Project Management.
- Worked in Water fall as well as Agile Methodologies.
- Expertise in project planning and scheduling using project management tool (MS Project)
- Good working experience on IBM Rational Clear Quest
- Extensive experience in working in onsite-offshore model
- 24\*7 Application Maintenance and support for complete IT Landscape in automotive sector
- Quick at learning and applying new technologies to current assignments.
- Proficient in Mainframe technologies COBOL, JCL, DB2, DBMS IMS-DB, IMS-DC, IDMS, Changeman, Eztrieve, Endevor, File-Aid, Strobe, MQ, SAS, CICS, VSAM, ISPF, QMF, Online and Batch Expeditor, Express, SAR, Mailbox, CLIST, Endeavor, SORT, FTP, Stored Procedure, UDB, Webservices, Web sphere, EBS
- Experience of working with multiple vendors
- Have excellent analytical, problem solving, communication and interpersonal skills, with ability to interact with individuals at all levels and can work as part of the team and independently
- Expertise in Product Application evaluation, Process flow reviews and Requirements definitions and implementation.

• Quality Lead	• SDLC	• Legacy Modernizations
• GAP Analysis	• Application Maintenance and Support	• Technology Analyst Support
• Customer Service Manager	• Business System Analyst	• Solutions Architect
• Change Risk and Service Management	• Data Analysis	• SOX Lead
• Technology lead	• Manage System Testing & UAT	• Defect Management
• Development	• Proposals Planning & Estimating	• Status Reporting
• Project Scheduling (MS Project)	• Executive Reporting	• SQL



**EXPERIENCE AND TECHNICAL SKILLS:**

**Commonwealth of Massachusetts - EOHHS**  
**Role: System Developer**

**September 2018 to till date**

Engaged in the maintenance, enhancement, and support of legacy and integrated systems within EOHHS, responsible for delivering scalable, compliant, and secure solutions supporting health benefits eligibility, case management, and public assistance programs across the Commonwealth.

**Responsibilities:**

- Provided technical support and system maintenance for mission-critical EOHHS applications, including mainframe batch cycles and online CICS transactions.
- Collaborated with state IT staff, business analysts, and operations teams to identify and implement enhancements to core health and human services applications.
- Conducted impact analysis and developed system improvements to resolve recurring issues, ensuring long-term operational stability.
- Delivered 24/7 support for production environments, proactively managing and triaging high-severity incidents to minimize service disruption.
- Interpreted business requirements and translated them into detailed technical specifications for development and configuration.
- Ensured compliance with state-level SOX audit requirements, maintaining robust audit trails and adhering to security standards.
- Led knowledge transition efforts, preparing comprehensive documentation, flow diagrams, and technical training for cross-functional teams.
- Implemented change requests and enhancement projects, creating level-of-effort estimates (ROMs), risk assessments, and alternate solution proposals.
- Participated in Agile and Waterfall delivery cycles depending on project scope, prioritizing backlog tickets and aligning development efforts to policy-driven changes.

**Environment:** IBM mainframes, TSO/ISPF, COBOL, JCL, DB2, CICS, VSAM, IMS DB, IDCAMS, REXX, CLIST, IEBGENER, SORT, ICETOOL, FTP, FILE-AID/DB2, FILE-AID, SPUFI, QMF, SYNC-SORT, CHANGEMAN, XPEDITOR, SERVICENOW

**Mitsubishi Motors North American Operations**  
**Role: Senior System Analyst**  
**Project: Mexico Launch**

**April 2018 to August 2018**

Mitsubishi Motors North American Operations (MMNA) Landscape and verticals encompasses all automotive operations - Parts & Vehicles distribution, Service & Warranty, Dealer & Sales operations and Customer Relationship Management & Marketing

**Responsibilities**

- Conducted brain storming session and Joint Application development with business users to collect requirements.
- Responsible for walk through the Business Requirement documents with customer during the end user review, maintain versions and take the user sign-off on the documents and changes.
- Create High level and low-level design documents and prototyping through creation of POCs
- Deliver high quality code deliverables and supports peers in quality checks such that design requirements are met
- Prepared test data, lead testing activities for functional, Integration and User Acceptance testing and managed integration testing with multiple vendors.
- Creation of new web services calling programs
- Support the creation of 'Go Live' plan and manage the assigned activities in the plan.

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- Perform root cause analysis of any issues that arise post-implementation and work on solutions related to issue fixing.
- Conduct impact analysis of issues logged, prioritize and ensure that production support is provided as per the committed SLAs.
- Help the manager in prioritization of effort to resolve the most critical tickets as per the business requirements.
- Support and coach peers and juniors as and when required on specific technical competencies required to deliver on the assigned task.
- Interface with internal team spread globally to undertake onsite specific activities of the project
- Perform high- and low-level technical design, provide pseudo codes, and implement the prototype and conduct design reviews
- Support client interfacing activities and help create the relevant reports in a timely manner.

**Environment:** IBM mainframes, TSO/ISPF, COBOL, JCL, DB2, CICS, VSAM, IMS DB, IDCAMS, REXX, CLIST, IEBGENER, SORT, ICETOOL, FTP, FILE-AID/DB2, FILE-AID, SPUFI, QMF, SYNC-SORT, CHANGEMAN, XPEDITOR, INTERTEST, IBM Rational Clear Quest, Web Services, Web sphere, SCLM

**NTT Data (New York State IT Services)**

**Jul 2017 till March 2018**

**Role: Technical Architect**

**Project: DMV Modernization**

New York Department of Motor Vehicles is aiming digital transformation of its legacy IT systems. Played the role of Technical Architect to coordinate and lead digital transformation solutions.

**Responsibilities**

- Design, implement and lead digital transformation engagements modernizing existing legacy platform (IBM Mainframe – COBOL, CICS, DB2, etc.) to a modernized (SOA, Web services and / or API-enabled) enterprise architecture
- Provide guidance on modernization opportunity and restructuring understanding the basics on how legacy applications are constructed
- Understand their current state and environment and develop assessment material for decision-making purposes using appropriate frameworks and models
- Outline the implementation approach highlighting business benefit, value creation, key risks and mitigation strategies
- Propose high value solution using in-depth understanding of typical structures of business processes and architectures
- Coordinate and manage team efforts for the delivery of the project. Relay project status, issues and challenges to DMV supervisor
- Drive implementations of service-enabled, rules-based solutions on either Mainframe or distributed platforms as well as other modernization offerings
- Drive adoption of flexible and extensible Web UI solutions using Design thinking
- Develop medium to high complexity benefit realization models utilizing the Modernization Workshop and Assessment methodology

**Mazda North American Operation, Irvine, California**

**Aug 2014 to June 2017**

**Role: Customer Service Manager/System Analyst**

**Project: Applications Maintenance & Support**

Mazda North American Operations (MNAO) is Mazda Motor Corporation's North American arm and constitutes the largest component of that company outside Japan. The company has its headquarters in Irvine, California.



Mazda IT Landscape and verticals encompasses all automotive operations - Parts & Vehicles distribution, Service & Warranty, Dealer & Sales operations and Customer Relationship Management & Marketing.

Played the role of Customer Service Manager/ Business Analyst for Customer Service Division (Parts) and Service & Warranty (Technical Service Division) of their IT Landscape. Responsible to ensure smooth operations from Production support standpoint (batch and application support) and coordinate SDLC phases for enhancements/projects in these divisions.

#### Responsibilities

- Maintenance and support of business applications
- Understand Business problems and Architect best fitting solutions in form of enhancements or new processes
- Liaising between Client IT team, Business users and Internal IT team for enhancing existing applications, providing solutions to identified issues, providing permanent solution for recurring issues.
- Round the clock technical support for jobs running in batch cycle as well as online transactions
- Requirements Understanding/Analysis and specifications to internal IT team
- Proactive Problem Management for process improvement
- SOX Audit compliance monitoring & adherence
- Knowledge transition activities, prepare documents and presentations describing the business flow and technical details of the application
- Triaging the tickets according to severity and assigning it to the team
- Enhancing existing applications to handle the newly identified business requirements
- Providing alternate solutions and creating ROM for enhancements

**Toyota Motor Sales, Torrance, California**

**Jan 2010 – Jul 2014**

**Role: Technology Analyst/Lead/ System Analyst/ QA Lead**

Toyota is one of the leading Automotive Manufacturer in the world.

**Project: Azteca – Addition of new plant SALAMANCA with existing system**

**Jan 2014 – Aug 2014**

This project involves adding the new plant in SALAMANCA and aligning Toyota application systems for allocation, ordering, supply chain and distribution

#### Responsibilities

- Conducted brain storming session and Joint Application development with business users to collect requirements.
- Responsible for walk through the Business Requirement documents with customer during the end user review, maintain versions and take the user sign-off on the documents and changes.
- Create High level and low-level design documents and prototyping through creation of POCs
- Deliver high quality code deliverables and supports peers in quality checks such that design requirements are met
- Prepared test data, lead testing activities for functional, Integration and User Acceptance testing and managed integration testing with multiple vendors.
- Creation of new web services calling programs
- Support the creation of 'Go Live' plan and manage the assigned activities in the plan.
- Perform root cause analysis of any issues that arise post-implementation and work on solutions related to issue fixing.



- Conduct impact analysis of issues logged, prioritize and ensure that production support is provided as per the committed SLAs.
- Help the manager in prioritization of effort to resolve the most critical tickets as per the business requirements.
- Support and coach peers and juniors as and when required on specific technical competencies required to deliver on the assigned task.
- Interface with internal team spread globally to undertake onsite specific activities of the project
- Perform high- and low-level technical design, provide pseudo codes, and implement the prototype and conduct design reviews
- Support client interfacing activities and help create the relevant reports in a timely manner.

**Environment:** IBM mainframes, TSO/ISPF, COBOL, JCL, DB2, CICS, VSAM, IMS DB, IDCAMS, REXX, CLIST, IEBGENER, SORT, ICETOOL, FTP, FILE-AID/DB2, FILE-AID, SPUFI, QMF, SYNC-SORT, CHANGEMAN, XPEDITOR, INTERTEST, IBM Rational Clear Quest, Web Services, Web sphere

**Project: Application Maintenance, Support and Enhancements**

**Jan 2010 – Jan 2014**

The project deals with providing support and maintenance to existing applications that span across the entire Vehicle Supply Chain. Applications in this bundle support the Automotive System Verticals including Vehicle Order Management, Vehicle Accounting, Dealer Allocation, Dealer Pipeline Management, Vehicle Distribution, Logistics, Company cars, Corporate Sales reporting and Used Cars.

- Maintenance and support of business applications
- Understand Business problems and Architect best fitting solutions in form of enhancements or new processes
- Liaising between Client IT team, Business users and Internal IT team for enhancing existing applications,
- providing solutions to identified issues, providing permanent solution for recurring issues
- Round the clock technical support for jobs running in batch cycle as well as online transactions
- Requirements Understanding/Analysis and specifications to internal IT team
- Proactive Problem Management for process improvement
- SOX Audit compliance monitoring & adherence
- Knowledge transition activities, prepare documents and presentations describing the business flow and technical details of the application
- Triaging the tickets according to severity and assigning it to the team
- Enhancing existing applications to handle the newly identified business requirements
- Providing alternate solutions and creating ROM for enhancements

**Environment:** IBM mainframes, TSO/ISPF, COBOL, JCL, DB2, CICS, VSAM, IMS DB, IDCAMS, REXX, CLIST, IEBGENER, SORT, ICETOOL, FTP, FILE-AID/DB2, FILE-AID, SPUFI, QMF, SYNC-SORT, CHANGEMAN, XPEDITOR, INTERTEST, IBM Rational Clear Quest.

**Role: Technology Analyst and SME, Infosys Chennai**

**Project: Application Maintenance, Support and Enhancements**

**Jul 2008 – Dec 2009**

TMS is North American Sales and Marketing arm of Toyota Motors Corporation. TMS business is broken up into various verticals, Business Support Services, Automotive, Toyota Customer Services and etc. I was a part of SME team, Automotive Vertical which was involved in major processing such as Corporate Sales Reporting, Vehicle Accounting, Foreign Distributor and Used Cars.

The project involves Support and Break fix as part of Production Support and Planning, Creation of Design documents and Test plans, Review of Design documents, Coding and Code review and testing





as part of Enhancement. The Minor and Major enhancements are opened and the development and modifications carry over starting with Design, Coding, Testing and Implementation.

**Responsibilities:**

- Participated and documented the requirement gathering sessions and analyzed the impact of the changes.
- Analyze the requirements, design and implementation of business applications, middleware, database etc.; study the impact of software/application changes; and ensure that all system components are designed and tuned to acceptable levels of performance and resource utilization
- Participate in technical architecture and design discussions to determine the most appropriate solution model, taking into consideration high performance, availability, failover and disaster recovery
- Serve as a technical expert, resolving critical and complex application performance issues. Identify and drive optimization changes in the application design to improve customer experience for business-critical IT applications
- Partner with the Development, Application & Infrastructure Architecture and Technical Services teams to ensure that changes in technical or business systems do not adversely impact application performance
- Develop, maintain, recommend, documents and support tools and backend utilities to perform performance and capacity planning management.
- Preparing Estimation, Impact Analysis, Business-Technical Requirement, Technical Design, Test Plan Results, System Testing and Release Pack documents as result of analysis, coding, testing and implementation
- Worked cross-functionally with Marketing teams (Toyota, Lexus & Scion) and Toyota Financial Services to interpret industry trends and recommended changes to existing system functionality that reduced manual work and increased business revenue
- Led monthly Project Executive Summary meeting – involving team, IT Managers and Business to analyze current status against targets and provided executive management with a forward-looking view of the business
- Attended Change Control Board meeting for approval of Change Requests.
- Defined the Functional specifications for set ups and reports and transformed the specifications to the Technical Team.
- Perform Root Cause Analysis (RCA) for various repetitive problems and provided suggestions for speedy problem resolution.
- Maintained the regular interaction with the Client, End users, technical team, participated in the meetings on regular basis and followed up the progress of work.
- Working with different teams to resolve all issues for the assigned sites.
- Tested the interfaces, reports, and processes to ensure that all the functionalities are working correctly.
- Worked with the users and businesspersons in designing and defining the new Reports and Customizing the existing Reports.
- Training to super users and users
- Review, identify, and recommend opportunities to optimize, consolidate, refactor, reuse, simplify and streamline the infrastructure and software asset base
- Coordinated Set up activities in UAT and Production Environment of all the modules
- Supported the Team as Subject Matter Specialist in Financial Modules and business Process

**Environment:** COBOL, JCL, IMS, DB2, File-Aid, Expeditor, Strobe, MQ and Change man.

**EDUCATION:**

- Bachelor's Degree in Computer Science & Engineering, Anna University, Chennai – 2006



**PROFESSIONAL REFERENCE:**

Name:	Partha Gajula
Email:	<a href="mailto:Partha.gajula2@mass.gov">Partha.gajula2@mass.gov</a>
Phone no.:	781-775-7360
Designation:	(IE&E) Technical Director
Organization:	State of MA (EOHHS)



4. BRENT BABEL



**BRENT BABEL**

9477 Arlington Blvd. #104  
Fairfax VA 22031

Over 25 year's programming-related experience in IBM Mainframe Environments.

**TECHNICAL SKILLS:**

<b>Hardware:</b>	3090, 3081, 4341 series IBM Mainframes
<b>Telecom/Network:</b>	TCP/IP, VTAM, 3270/PC type terminals, Remote Controllers, LAN, HOD (Host on Demand)
<b>Software: OP/SYS Languages</b>	Z/OS, OS/390, MVS/XA, MVS/ESA, JES2/3, JCL, UTILITIES, CICS, BMS, DB2, DB2I, Enterprise COBOL, COBOLII, COBOL /370, Command Level CICS, BMS, DB2/SQL, MQSeries
<b>Utilities:</b>	SPUFI, QMF, TSO/ISPF, FILE-AID, DATACOM/DB, VSAM IDCAMS, EXPEDITER
<b>Queue:</b>	IBM MQSeries
<b>TP Monitor:</b>	TSO/ISPF, CICS
<b>Database:</b>	DB2, DATACOM/DB, VSAM

**EMPLOYMENT:**

**USAC**

**2023 – TILL DATE**

**APPLICATION PROGRAMMER**

- Provide expert guidance and technical assistance on large-scale mainframe systems for the Massachusetts state government.
- Develop, maintain, and optimize COBOL programs supporting critical government operations.
- Diagnose and resolve technical issues promptly to ensure system stability and efficiency.
- Collaborate with government staff to understand their needs and design effective solutions.
- Implement and manage automated processes that handle extensive data workloads securely and reliably.
- Test and validate new or updated software to meet security, performance, and compliance standards.
- Document work thoroughly for ongoing support, maintenance, and knowledge transfer.
- Monitor system performance and recommend improvements to enhance efficiency and security.
- Ensure the protection of sensitive information in accordance with legal and regulatory requirements.

**LIST (DIVISION OF MOTOR VEHICLES OF THE STATE OF SOUTH CAROLINA)**

**2004 – 2023**

**SR. ANALYST/ PROGRAMMER**

Responsible for Title and Registration server application development for the Division of Motor Vehicles of the State of South Carolina. Applications were newly developed using IBM VisualAge COBOL, IBM VisualAge Interspace (middleware), Oracle 8 DBMS, and Intersolve's PVCS for source code and document configuration management.

- Provided analysis, design, and programming services for the development and maintenance of the Agency for International Development's legacy applications. Systems were coded with



COBOLII, VSAM, DB2, and CICS. Created a process for the accounting of all key management functions necessary for the maintenance of these systems. Included daily, weekly, monthly, and yearly processes.

- Development for U.S. Post Office, (PTDM), Postal Tracking Data Mart, a multitiered, multilevel data warehouse and data mining project. The application is for use in the continuing process of tracking scanning performance of the United States Post Office's branch offices priority and express mail delivery systems. Applications were newly developed using COBOL/370, DB2, OS/390 JCL.
- Analyzed a Securities Application Process and wrote detail program specifications for the "Reporting" sub systym (MS/Word). Developed 14 new programs for updating the systems DB2 database. Created JCL control members for the execution of all processes. OS/390 COBOL, DB2, VSAM.

**ATS (Department of Housing and Urban Development)**

**2001 – 2004**

**Senior Analyst**

Provided programming, testing, and documentation services in support of the Multi-Family Insurance System (MFIS Legacy System) for the Department of Housing and Urban Development as a Senior Analyst on a contract with the U.S. Government Agency.

**CSC (Computer Sciences Corporation)**

**1999 – 2001**

- Performed Life Cycle development and maintenance functions for the Medicare Prescription Drug entitlement program (MARx). Developed and maintained programs written in COBOL/CICS with DB2 and MQSeries. Duties included analysis, unit testing, and documentation. Specialized in Request Processing, Beneficiary Profile Services, and Enrollment processing.
- Developed the "Integrated Disbursement Information System" (IDIS), for HUD using COBOLII, DB2, and CISCO. This was an online and batch disbursement/accounting system with many features, including an online job submittal and tracking process for users to request standardized reports. The system in general was for making grant disbursements as well as for tracking and accounting for grants. Administered and managed a system development life cycle process with ENDEVOR an automated configuration management software tool. The applications managed by ENDEVOR were legacy systems written in COBOLII, DB2, CICS, IMS using JCL, PROCS, COPYBOOKS, and SYSIN input.
- Designed and programmed new processes for a telephonic application using OS/390 COBOL, CICS, and DB2. Provided program documentation with MS/Word and Visio.
- Performed System Programming tasks, installing and configuring such products as CICS and DATACOM/DB, Ideal, and other vendor system software. (Saudi Arabian Petroleum Ministry)
- Managed a team of programmers in a life cycle development activity necessary for the development and implementation of a DOD application on the mainframe. Development was done using COBOLII, CICS, VSAM, DB2, and Datacom/DB. (Standard Army Financial Systems).

**EDUCATION:**

University of Missouri (Columbia), George Mason University, Computer Learning Center.  
Seminars and micro courses for DB2 and CICS. (120 Hrs.) No Degree

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**PROFESSIONAL REFERENCE:**

Name:	Mohammed Islam
Email:	<a href="mailto:Islam.mohammed@usac.org">Islam.mohammed@usac.org</a>
Phone no.:	240-643-2743
Designation:	Manager – Business Analytics
Organization:	USAC

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## 5. EDWARD ROCHE



### EDWARD J. ROCHE, JR SR. MAINFRAME DEVELOPER

#### PROFESSIONAL SUMMARY:

- Experienced in information technology including experience in a leadership, supervision, and management and systems analyst capacities.
- Over 15 years' experience in Endeavor Administration at Dollar Bank, Highmark Blue Cross, PNC, NY State DMV and IBM.
- Technical lead experience at PNC Financial, Highmark Blue Cross, Dollar Bank and Bank of New York Mellon.
- Experience with Tier 2 support for Production Cycles at PNC Financial, Highmark Blue Cross, Dollar Bank and Bank of New York Mellon.
- Familiar with CA Plex capabilities and functionality.
- Familiar with Web Programming, Rest Services/APIs, SOA Design Principles, Object Oriented fundamentals (Java/J2EE, Server-Side Programming), GIT, Maven, Jenkins, Tomcat, Spring Frameworks, and Angular S.
- Knowledge of HTML, XML, JavaScript and Webservices at PNC Financial, Highmark Blue Cross.
- Coordinated PNC Financial's Mainframe Telecom LU6.2, SNA, VPN, NDM, SMTP(Internet), X400 protocols, DMZ firewalls and virus walls with PNC's Telecom Department, third party software vendors, PNC's Data Security Department housed at PNC's Data Center in Robinson Township.
- 8 years' experience at Highmark Blue Cross / Blue Shield in the Information technology area implementing Web based interconnectivity to existing mainframe systems and relational databases via MQ series utilizing MVS/ISPF, TSO, JCL, CICS, CLIST, REXX execs, PL/1, COBOL and JAVA application development using RDz,.
- Extensive experience in human factors design and quality assurance testing of software systems.
- Developed systems using MVS/ISPF, JCL, IMS, DB2, Endeavor, VSAM, PL/1 and COBOL programming language using multiple hardware systems such as PC-microfocus, midrange systems such as AS/400 and mainframe systems.
- Maintained Highmark Blue Cross / Blue Shield IBM mainframe based idcard system which utilized PL/1, Natural, COBOL, Assembler, JCL, TSO/ISPF, MVS, SQL, Oracle, DB2, IMS/DLI, SPUFI, Endeavor, fileaid, INSYNC, SYNC SORT. PowerBuilder, CICS, MQ and TX series to connect the front-end powerbuild user interface to a DB2 database containing card layout information as well as CICS online screens and programs.
- Maintained Highmark's Blue Cross / Blue Shield Claims systems interface to membership systems EDI interfaces.
- Utilized COBOL, Natural, MVS/ISPF, JCL, DB2, Endeavor, and VSAM to migrate existing legacy VSAM vehicle license and registration system to an IBM DB2 relational database meeting WHTI (Western Hemisphere Travel Initiative) standards for creating the NY State EDL (Enhanced Driver's License) system.
- 20 years' experience with JCL, TSO/ISPF, MVS, SQL, Oracle, DB2, IMS/DLI, SPUFI, Endeavor, Panvare, fileaid, INSYNC(Macro4), DataMover(NDM), RACF, Omegamon, Natural, COBOL, Easytrieve, Easytrieve Plus, PL/1, REXX, Xpedit, Intertest, SMS, SYNC SORT, CICS and VSAM.
- Experience developing systems at IBM using PL/1, REXX, and CLIST using both VM and MVS operating systems.
- Over 18 years' experience in production scheduling using Zeke/Zebb and then ESP- (Cybernation Enterprise Job Scheduling) software, production control procedures applying ZAPS, PTF's, using Endeavor production control SCL and maintaining processing service deliverables, on multiple platforms and in multiple environments.

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- Utilized IBM MQ/TX series to define queues to stack and dequeue CICS transactions for client server applications.
- Familiar with ACH systems and processing at Mellon Bank's Global Cash Management area.
- Led large projects, which involved coordination of both internal resources at local, national and international level, as well as, vendor resources in order to successfully, complete large complex projects.

**PROFESSIONAL EXPERIENCE:**

**Corewell Health**

**2022 – Till Date**

**Mainframe Developer/Programmer**

- Develop and maintain mainframe programs that support core operations within the healthcare domain.
- Analyze legacy code and system processes to identify improvements for performance and efficiency.
- Manage batch jobs and online transactions to ensure accurate and timely data processing.
- Diagnose and resolve system issues to maintain operational continuity and minimize downtime.
- Collaborate with business and technical teams to gather requirements and deliver effective software solutions.
- Apply enhancements and updates to existing systems in accordance with applicable regulations and standards.
- Conduct testing and system optimization to ensure software reliability, stability, and performance.
- Maintain comprehensive documentation covering code changes, configurations, and system workflows.
- Support compliance with data security and privacy requirements for sensitive healthcare information.
- Perform regular system audits, backups, and validations to ensure data integrity and availability.

**TCS Incorporated**

**2017 - 2022**

**IT Consultant - Mainframe Developer - PNC Financial**

- Lead multiple production systems projects in order to complete client projects for client PNC's ATM, PCS, COR Systems area.
- Created and maintained Production DAS DB2SQL Queries for PBAL process including SQL calculation to determine the DAS account EPOCH Date (number of seconds since Epoch date January 1 1970).
- Developed Positive Balance (PBAL) interface /feed from COR systems to Base24 (ACI) Oracle Database via Informatica. Jobs, programs were added into Production DAS system to daily update new DAS Unix system with 20million plus PNC checking and Saving account information including account numbers, account types and current balance information.
- Modified PCS online CICS systems to feed new DAS (Base24) system via batch and online transactions.
- Maintained QA and Production Pilot DAS systems interfaces which includes QA PBAL 20 plus million account updates,
- Created and maintained PCS and DAS online logs in both Production and QA test systems. Job responsibilities include maintaining QA system, manually bringing down QA CICS online log files, backing up multiple logs and deleting and redefining new CICS online files and opening them in the various QA CICS regions.

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- Maintained PNC's IBM mainframe-based ATM systems which utilized COBOL, VSAM, JCL, TSO/ISPF, MVS, SQL, Oracle, DB2, SPUFI, Endeavor, fileaid, SYNCSORT, CICS, MQ, as well as CICS online screens and programs.
- Experience with Tier 2 support for Production Cycles,
- Experience with HTML, XML, RSS and Web services.
- Coordinated both production and test development efforts, as well as, Unit, CIT, SIT and QA test verification activities and corresponding Endeavor environments for scheduled client releases.
- Participated in daily Scrum Calls with all project resources to coordinate daily activities, as well as, creation of initial sprints, epics, stories, task and impediment creation.
- Partnered with internal project liaisons to acquire resources, assigns tasks, directs activities, and controls project execution. Coached and mentored project team members.
- Partnered with internal project liaisons to acquire resources, assigns tasks, directs activities, and controls project execution. Coached and mentored project team members.
- Tracked and reported progress using Clarity and Endeavor to support environment governance and reporting for projects. Communicated project expectations to team members, stakeholders and management in a clear and timely matter.
- Lead, managed and motivated project team to successfully plan, execute and monitor multiple projects to successful completion (on time, on budget, and with full scope).
- Developed, managed and maintained productive working relationships with business partners, project stakeholders, systems community and outside vendors.
- Experience implementing large system testing projects involving testing, defect tracking, problem resolution production implementation and fix distributions in a timely manner.

**SDLC PARTNERS, Pittsburgh, PA**

**2016**

**IT Consultant - Mainframe Developer, Highmark Blue Cross / Blue Shield**

- Lead production systems change to complete client projects for such clients as Highmark Blue Cross Independence Blue Cross, Minnesota Blue Cross and Concordia Dental within General Ledger Systems. Acted a liaison between Management, Business, Technical resources and clients.
- Utilizes MS Project to create, manage and analyze project schedules, resource utilization, project risk and issues, as well as, project budget.
- Experience with Tier 2 support for Production Cycles,
- Experience with HTML, XML, JavaScript and Webservices.
- Created and modified both production and test programs, JCL and Oracle DB DMS PeopleSoft Scripts across multiply test environments TENV2, TENV3, TENV6 and TENV7 and corresponding Endeavor environments for scheduled client releases.
- Coordinated secured transmission of client test results via secure FTP transmission of client information to verify and email correspondence for client sign-off during the entire development process.
- Participated in daily Scrum Calls with all project resources to coordinate daily activities, as well as, creation of initial sprints, epics, stories, task and impediment creation.
- Partnered with internal project liaisons to acquire resources, assigns tasks, directs activities, and controls project execution. Coached and mentored project team members.
- Partnered with internal project liaisons to acquire resources, assigns tasks, directs activities, and controls project execution. Coached and mentored project team members.
- Tracked and reported progress using RTC-Team Concert, ClearQuest, ClearCase, Clarity, Harvest, and Endeavor to support environment governance and reporting for projects. Communicated project expectations to team members, stakeholders and management in a clear and timely matter.
- Lead, managed and motivated project team to successfully plan, execute and monitor multiple projects to successful completion (on time, on budget, and with full scope).

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- Developed, managed and maintained productive working relationships with business partners, project stakeholders, systems community and outside vendors.
- Experience implementing large system testing projects involving testing, defect tracking, problem resolution production implementation and fix distributions in a timely manner.

**PYRAMID INCORPORATED, Atlanta, GE**

**2015-2016**

**Mainframe COBOL Developer**

**Highmark Blue Cross / Blue Shield**

Managed both on-shore and off-shore resources to complete client projects for such as Minnesota Blue Cross and NEPA within Membership System. Acted a liaison between Management, Business and Technical resources located on and offshore. Lead daily Scrum Calls with all project resources to coordinate daily activities. Partnered with internal project liaisons to acquire resources, assigns tasks, directs activities, and controls project execution. Coached and mentored project team members. Tracked and reported progress using RTC-Team Concert, ClearQuest, ClearCase, Clarity, Harvest, and Endeavor to support environment governance and reporting for projects. Communicated project expectations to team members, stakeholders and management in a clear and timely matter.

- Production scheduling using CA7 - Enterprise Job Scheduling) software, production control procedures applying ZAPS, PTF's, using Endeavor production control SCL and maintaining processing service deliverables, on multiple platforms and in multiple environments.
- Implemented production FTP and NDM File Transmissions to multiple clients.
- Utilized SQL and Informatica (ETL) to updated EDW-Enterprise Data Warehouse via scheduled production Jobs.
- Used Unix Scripting to monitor network resource availability and resource activity.
- Monitored and debugged processes using Xepiditor and other debugging tools.

**BEACON HILL, Pittsburgh, PA**

**2015**

**Senior Project Manager - Mainframe Applications**

**PNC Bank**

Managed Greenfield Bridge Data Center relocation regarding IT infrastructure and software, specifically Enterprise Services AES- (Adjustment Express) and RCM- (Returns Check Management). Applications involved interface with Hogan DDA-(Demand Deposit Applications) as well as TDA-(Time Deposit Applications). Partnered with internal project liaisons to acquire resources, assigns tasks, directs activities, and controls project execution. Led Mainframe Application modification utilizing COBOL, DB2, JCL and off-shore resources. Coached and mentored project team members. Tracked and reported progress, analyzed the results based on facts, defined the products of the project, and forecasted future trends in the project. Utilized PNC, project management, configuration and release management software tool set including Clarity, Harvest, Endeavor and Clear Case to support environment governance and reporting for Green Field Bridge project.

**Palladian Consulting, Diamond Bar, CA**

**2014-2015**

**Mainframe IT Project Consultant**

**Department of Motor Vehicle (DMV) for the State of New York**

Consulted on major governmental project to replace existing vehicle license and registration system to meet WHTI- (Western Hemisphere Travel Initiative) standards for creation of a NY State EDL- (Enhanced Driver's License). Consultation included programming using MVS, TSO, CICS, Endeavor, PL/1, Natural, Cobol, JCL, DB2 database design for implementation of new relational database system containing approximately 56 million client and address information records, as well as, integrating third party software to cleanse and verify address information using Pitney Bowe's Group 1 Finalist software.

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**DOLLAR BANK, Pittsburgh, PA**

**2012 - 2013**

**Mainframe Development – IT Quality Assurance**

Managed IT Quality Assurance of all banking systems which includes Mainframe applications, MVS/ISPF, TSO, JCL, Endeavor, Cobol, PL/1, DB2, IMS, CICS, WebSphere/InfoSphere DataStage, ATMs, internal banking systems in Pennsylvania and Ohio interfaces included Hogan, DDA- (Demand Deposit Applications), TDA- (Time Deposit Applications), as well as, interconnected systems to outside governmental agencies including the Federal Reserve Bank and FDIC. Experience working for a Lender / Loan Servicer and dealing with 3rd party integration partner, with specific experience with LoanServ. Experience with Tier 2 support for Production Cycles. Experience with HTML, XML, JavaScript and Webservices. Endeavor administration and monitoring for mainframe projects. Also, managed projects involving Cobol, PL/1, IMS, DB2, Oracle, EFT/EDI. modifications of Dollar Bank systems.

**Volt Software Services, Philadelphia, PA**

**2010-2011**

**IT Project Consultant – Mainframe Development**

**Yellow Pages Group**

Perform system conversion on legacy-to-legacy software systems utilizing MVS/ISPF, SPUFI, TSO, CICS, DB2 database, SQL, Stored Procedures, JCL, Cobol, Natural, PL1, SYNCSORT and Systems Analysis to convert systems to produce directories for Western Canada and the state of New Jersey.

**Bombardier Aerospace, Bridgeport, WV**

**2009-2010**

**Mainframe Systems Development Analyst**

Performed systems analysis, development, systems installation and customization of Bombardier Aerospace computer systems. Utilized Infor Syteline 7.0 ERP software to customize systems using Crystal Reports, Microsoft TSQL stored procedures, MS SQL Server 2005, MS Excel and VB.net. Also, developed FAA compliant Aerospace Tool Tracking system for Bombardier's Lear Jet Business Division using VB.net 2008, SQL Server 2005 and TSQL stored procedures. Involved with corporate projects involving mainframe systems.

**SYSTEM ONE, Cranberry, PA**

**2008-2008**

**Senior Project Manager – IT Consultant**

**Westinghouse Nuclear**

Manage large complex projects out of the Westinghouse EPMO Office. Provides leadership and strategic guidance during the solution development and project execution processes ensuring that Westinghouse IT, management and multiple IT Vendors provide solutions on-time and cost effectively. Translates customer requirements into operational strategies associated with each solution and offering to ensure client needs are met in a cost-effective and timely manner.

**Pyramid Consulting Group, Wexford, PA**

**2007-2007**

**Project Manager – Mainframe Systems**

**PNC Treasury Management Systems**

Provided short-term services with regards to system integration for acquired banks for treasury management systems involving mainframe, Linux, Unix, and client-server-based pc systems. Involved with data gathering sessions, file transmission scheduling, data structure translation into PNC internal formats and testing activities, as well as, project setup of PNC resources within internal systems such as PNCs Mercury Testing. Charged with monitoring of task completion of PNC personnel and maintenance of project deadlines.

**EDUCATION:**

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**MCSA Security+** - Microsoft Certified Systems Administrator certification, New Horizons Computer Learning Center, Pittsburgh, PA

**PMP** - Project management training at the University of Pittsburgh, Joseph M. Katz Graduate School of Business and PMCentersUSA.

**M.S. Information Science**, University of Pittsburgh, Pittsburgh, PA

**B.A. Marketing Research and Planning**, Slippery Rock State University, Slippery Rock, PA

**B.A. Industrial Psychology**, Slippery Rock State University, Slippery Rock, PA

*Honors: National Psychology Honorary (Psi Chi)*

**North Catholic High School** - Diploma

**SPECIAL SKILLS:**

**PC Software:**

MS Access, Lotus Notes (Domino), WordPerfect, MS Word, MS Windows, MS Project, OS/2, DOS, REXX/OS2, MS Access, Cognos Impromptu, Micro Focus Cobol-(CICS), File-Aid PC, SPF/PC, Exceed-Xwindows, WebSphere.

**Computer Languages:**

PowerBuilder, Visual Basic, JAVA2, REXX, Natural, COBOL, FORTRAN, BASIC, PL/1, SQL, JCL, HTML/XML.

**Mainframe Utilities:**

MVS (TSO, ISPF, Librarian), ESP scheduling, Syncsort, VM (CP, CMS, XEDIT, PROFS), Easytrev, Xeditor, Intertest, CICS command level, ROSCOE, IMS/DLI, DB2, SPUFI, TOTAL, Translator MVS, EDItran, Comparex, Endeavor, Librarian, FileAid, Macro4, INSYNC, Zeke/Zebb.

**UNIX / Middleware:**

TXSeries, MQSeries, DG/UX, LMS / EMX - Lotus Messaging Switch, RS/6000—AIX, Hummingbird/Exceed, Telnet.

**Databases:**

Oracle, IMS, IBM DB2, MS Access, SQLServer.

**PROFESSIONAL REFERENCE:**

Name:	Swarup Sathe
Email:	<a href="mailto:swarup.sathe@corewellhealth.org">swarup.sathe@corewellhealth.org</a>
Phone no.:	734-717-7946
Designation:	Director IT
Organization:	Corewell Health



## 6. HAROLD BELLERJEAU



**HAROLD J. BELLERJEAU, JR.**  
**SYSTEMS ARCHITECT/SYSTEMS ANALYST**

**QUALIFICATIONS SUMMARY:**

Mainframe Systems Architect / Application Developer Expert / Technical Mainframe Applications Developer: / Project Manager

Experience encompasses over 40 years in Application Architecture design, development and implementation of Management Information Systems / Business Information Systems with extensive experience in IBM z/OS Mainframe environment.

Strengths include Full System Design Life Cycle (SDLC) experience, conducting requirements definition sessions, information gathering sessions, and application analysis in the development and support of Computer Information Systems.

Extensive experience Design, developing, modernizing and Testing of CICS Command Level Applications and DB2 Stored

Procedures and migrating of application information systems.

Experienced in Legacy Systems Conversion/Modernization projects, Legacy conversion projects to and from mainframes.

Experience includes the Development of Mainframe applications using Personal Computers and Servers, and then porting the developed applications to Mainframe Computers for final Testing and Implementation. The following PC software products were employed for the development and porting process: PC Development Products Micro Focus Cobol/CICS Development Suite, Micro Focus Cobol .NET Development Suite, Micro Focus APP Master Builder 5.0 COBOL Code Generator, IBM Visual Age Cobol/CICS, C\C++, Development Suite, DB2, VSAM, ISPF and SPF/PC.

**COMPUTER SKILLS:**

**HARDWARE:** IBM zSeries System 10, IBM zSeries System 9, IBM System 390, 3083, 3033, 370, 360, AS400  
UNISYS 2200, UNIVAC 1100/80, UNIVAC 1100/40, UNIVAC 1108. UNIVAC 1106  
HP 3000, HP 1000; PDP 20, PDP 10, VAX,  
INTEL & AMD Series Chips

**O/S:** IBM ZOS 2.3, IBM OS/390, IBM MVS/ESA, IBM MVS/XA, DOS;  
UNISYS EXEC 8 VERSIONS 28 THRU 48; HP MPE III, IV, V; TOPS 20, TOPS 10;  
DOS 3.0 THRU 6.22, IBM OS2;  
WINDOWS NT, 2000 PROFESSIONAL, XP PROFESSIONAL, WINDOWS VERSION 7

**LANGUAGES:** ENTERPRISE COBOL for Z/OS, COBOL LE, COBOL 390, COBOL 370, COBOL II,

**MAINFRAME:** COBOL 85, COBOL 74, COBOL 68

IBM CICS/ESA Version 2 thru CICS Transaction Server 5.1  
IBM XL C\C++ V1R5, thru V1R2.1 for Z/OS, FORTRAN (68 and 74), PL/I  
IBM CICS/MVS 1.1 thru IBM CICS/TS 5.1 (Transaction Server)  
PL/I, FORTRAN, EASYTRIEVE, EASYTRIEVE PLUS, FOCUS, REXX,  
JCL, PROCS, PARMS, SAS 5, SAS 6, SPSS

**IBM Utilities** IDCAMS, REPRO, SYNCSORT for Z/OS 2.1, IEBCOPY, IEBFR14, Super C  
INTERTEST, FTP, NDM, FILE AID, File Manager, JCLPREP, FAULT ANALYZER, EXTRA,



SPF SOURCE EDIT

**PC:** Micro Focus Visual Age COBOL for Micro Soft Visual Studio 2010  
IBM CICS Explorer  
IBM Visual Age COBOL / CICS Development Suite  
MICRO Focus APPMASTER Builder 5.0, APP COBOL, APS COBOL Code Generator  
MICROFOCUS COBOL .Net COBOL Development Suite, MICROFOCUS WORKBENCH,  
MICROFOCUS CICS Development Suite, MICROFOCUS WO  
MICROSOFT VISUAL STUDIO VB, C++, C Sharp .NET, VB .NET  
FORTRAN, C, C++, VISUAL C++, PASCAL,

**Database Management / VSAM:**

IBM DB2 Version 4, thru 11 New Function Mode, IDMS, VSAM, FOCUS, SAS Data Sets,  
MICROSOFT SQL  
Server, Oracle Version 3 thru Oracle Version 9I, IMAGE 1000, IMAGE 3000, DMS-1100,  
QMF, SPUFI, QUERY 1000/ 3000, S.I.R.RETRIEVAL Language Version I and II, FOCUS

**EDITORS:** TSO/ISPF, SUPERWYLBUR, PANVALET, FILEAID, SPF/PC 2.0 thru SPF STANDARD and  
GRAPHIC 8.0

**CM** Endeavor, Serena CHANGEMAN DS CLIENT AND SERVER, PVCS Tracker

**Applications:** MICROSOFT OFFICE WORD/ EXCEL/, WORD PERFECT, Micro Focus Revolve 6.2

**PROFESSIONAL EXPERIENCE:**

**Mainframe Systems Architect  
Capital One**

**01-2015 to Present**

**Primary Software:** CICS Command Level COBOL, SYNCSORT, REXX, CLIST  
**Database / Files:** DB2, TESTBASE, File AID, File Aid/RDX, VSAM

- Designed and developed a CICS COBOL prototype application for database integration with DB2 and VSAM, customized to support financial data processing and eligibility workflows for Capital One's internal systems.
- Maintained and enhanced the TestBASE EXIT CICS COBOL prototype, ensuring stable interaction with TestBASE Slice data and underlying mainframe databases within Capital One's infrastructure.
- Created and maintained comprehensive project documentation including requirements specifications, technical design documents, system configurations, and project plans to support full SDLC traceability.
- Led user requirement sessions with Capital One stakeholders to define system behavior, gather functional needs, and validate application workflows for financial data automation.
- Authored a detailed Lessons Learned document capturing key takeaways from prototype development to inform future mainframe modernization initiatives.
- Modified JCL scripts to align with SYNCSORT version upgrades, improving the efficiency, accuracy, and compatibility of batch processing routines.
- Conducted peer reviews and technical walkthroughs for project plans and deliverables, collaborating with internal Capital One teams to ensure quality and alignment.

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- Updated and maintained REXX procedures and CLISTs to support evolving business requirements and back-end automation for financial operations.
- Provided ongoing production support and maintenance for assigned Capital One mainframe systems, ensuring operational stability, regulatory compliance, and stakeholder satisfaction.

**MVA Experience: 12.5 years in Support of Drivers License and Vehicle Systems**

**MVA Contract: Application Developer Expert**

**01/2012 - 12/2014**

**Application Developer**

**09/2006 - 12/2012**

**Contracted by Maryland Department of Motor Vehicles (MVA) thru SNAP Inc for IBM Support Project**

**Primary Hardware:** IBM zSeries (Mainframe), IBM PC

**PRIMARY OS:** Z/OS 1.4 thru Z/OS 1.13, UNIX (CICS WEB Services and DB2 stored Procedure Web Development Prototypes)

**Primary Software:** COBOL LE, IBM XL C/C++ V1R5 thru V1R11 for Z/OS, QMF, SPUFI, ISPF, SPF/PC, JCL, CICS Command Level Cobol, ENDEVOR, CHANGEMAN

**Database / Files:** DB2 Version 5 thru 10.1 New Function Mode, VSAM, Sequential Files

**IBM Utilities:** SYNCSORT, FTP, GENER, REPRO, IDCAMS, IEBCOPY, FILEAID, FILEMANAGER

**PC SOFTWARE:** MICRO Focus APPMASTER Builder 5.0, MICRO Focus .NET COBOL, MICROFOCUS COBOL/CICS, APS COBOL, APS COBOL Code Generator, Micro Soft Visual Studio VB98 thru VB.net and C++ thru C sharp.net), STARSQL

- Developed and Maintained DB2 Stored Procedures in support of MVA systems (Public Safety, Driver's License, Vehicle, ESTORE, NIC and KIOSK) using APP Master Builder 5.0, COBOL LE, IBM XL C/C++
- Designed, developed, and maintained CICS Command Level transactions applications in support of MVA Driver License and AAMVA
- Designed, developed, documented, tested, and maintained IBM C/C++ Socket program
- Designed, Develop and maintain of Inter Language Communication Application between an IBM Enterprise COBOL LE DB2 stored procedure with a C++ Socket sub-routine to do socket communications to MVA Application Servers for Driver License Photo's, Melisa Address Verification Data and VIN verification data
- Developed and Modified DB2 Stored procedures to use the MVA SOCKET C++ program to obtain data from Servers for Photos, Melissa Address and VIN verification data Verification and Photo's
- Developed Monitoring process for MVA critical application support for State of MD Public Safety DB2 stored procedures
- Modified MVA-Public Safety DB2 stored procedures in support of CDL Medical Certification project(MED Cert)
- Coordinated Testing of MVA DB2 stored procedure enhancements with Public Safety i.e.(Photo Share, Med Cert)
- Provided Design and Testing Support for DB2 stored procedures for the Disability Placard system
- Provided DB2 stored procedure modifications for Public Safety Early Release Project
- Developed and Maintained Batch applications in support of the MVA using APP Master Builder 5.0, COBOL LE, JCL
- Maintained CICS application using Command Level CICS, COBOL LE
- Developed and maintained DB2 Stored Procedures. (Developed first DB2WLM Stored procedure at the MVA)
- Developed and maintained FTP procedures and Secure FTP procedures
- Redesigned MVA Security Logging System

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- Provided validation for IBM System Software Upgrades (CICS, DB2, ZOS, COBOL, C++)
- Provided validation of MVA Business Applications for IBM System Software Upgrades (CICS, DB2, ZOS, COBOL, C++)
- Developed a Test plan for user acceptance in MVA Business applications acceptance validation for IBM System Software updates
- Developed the IBM portion of Motor Cycle Safety Application (MCS)
- Developed, modified, and documented Visual Basic (VB) programs in support of MVA applications (Tax, Melissa, CVINA)
- Developed data reconciliation process and User Acceptance Test Plan for Motor Cycle Safety Application
- Developed and maintained system, user and program documentation in support of systems maintained
- Modified VB – routines on BSM-NT server in support of Drivers services Tax project
- Designing, developing, documenting, and testing a prototype DB2 Stored Procedure Web Service application using DB2 Version 9.1 New Function Mode
- Developing MVA DB2 Stored procedure executing CICS transaction using DB2 SYSPROC DSNACICS routine for use in the NMVTIS project for the Vehicle team to communicate with AAMVA
- Provided On-Call support

**System Analyst** 05-2005 to 09/2006  
Contracted by ACS Inc for Department of Education contract thru Focus Technologies

**Primary Hardware:** IBM/PC AND SERVERS  
**Primary Software:** COBOL  
**Database / Files:** Oracle 9i

- Full SDLC for a large federal client.
- Redesign of a complex mission critical system handling loan servicing.
- Responsibilities included: Conducting JAD Sessions, Requirements Specifications Documentation and Use Case Development
- Feature Set Lead, Baseline Use Case effort documenting all existing systems.
- Responsible for development of Use Case's from requirements documents, and assisted in the development of the requirements documents.
- Verification of data migration process from Vax DMS to Oracle 9i Database.

**Mainframe Systems Analyst** 03/2005 – 04/2005  
Contracted by the Bureau of National Affairs Inc. through Keane

**Primary Hardware:** IBM 3900, IBM/PC  
**Primary Software:** COBOL LE, COBOL 390, JCL, PROCs, PARMS, TSO/ISPF, ISPF/PC, IBM UTILS, FILEAID  
**Database / Files:** IDMS, VSAM

- Provided Application support for Batch and CICS applications for a prolonged vacation.

**Mainframe Systems Architect / System Analyst** 02/2000 – 03/2005

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**Maryland Division of Motor Vehicles (MVA)**

Contracted HP System for the Maryland Department of Motor Vehicles (MVA) Drivers License Systems Conversion

**Primary Hardware:** IBM 3900, IBM/PC and SERVERS

**Primary Software:** COBOL LE, COBOL 390, IBM VISUALAGE COBOL / CICS, MICROFOCUS COBOL / Workbench, CICS Command Level Cobol, Micro Focus APS Master Builder, APS Cobol, JCL, ISPF, ISPF/PC, IBM UTILS, FILEAID, ENDEVOR, WINDOWS 2000, QMF, SPUFI

**Database/Files:** DB2, VSAM, WINDOWS SQL 2000,

- Designed, Developed, Unit Tested, Stress Tested, and Documented CICS Command Level Interface Transaction that allowed NEW VB Driver's License system to communicate with the UNI / AAMVA net Application
- Designed, developed, tested, and documented an additional CICS Command Level Interface Transaction that would allow the new VB Driver's License to the system to provide MVA Batch systems Nightly Batch Feeds
- Developed CICS transactions to allow new VB windows-based Driver's License system to interface with NEW CICS transactions
- Responsible for analysis and documenting of existing Drivers Licensing system on the IBM mainframe,
- Developed Design Documents for the existing Drivers Licensing system on the IBM Mainframe.
- Developed Conceptual Data Model for existing DB2 data base and Data Dictionary for Drivers License project.
- Converted IBM COBOL programs: from batch and CICS to Micro focus COBOL DLL's.
- Developed Batch reporting systems using Micro Focus APS Master Builder
- Responsible for Verification of DB2 Tables and SQL Tables based upon DLS flow during User testing and Acceptance Testing
- Developed User and Acceptance Test Plans for IBM enhancement portion of the system
- Responsible for execution of USER test plan
- Responsible for execution of Acceptance test plans with the Customer on the IBM
- Responsible for execution of Acceptance test plans for the NEW Driver License systems
- Responsible for Development of Mainframe portion of Pos / FMIS interface and coordinating testing of FMIS nightly run on IBM
- Developed DB2 QMF SQL jobs to extract test data for the running of Acceptance Test Plans (ATP).
- Ran ATP plans with the customer to test the NEW Drivers License system being developed.
- Made modifications to AMVANET and UNI systems (a National Drivers License System), and Social Security System in sending transactions and batch reporting systems.
- Familiar with current structured processes and modern methodologies for development and Porting current Mainframe applications to a client server environment.
- Developed IBM POS interface to FMIS. Coordinated testing Between HP development team and FMIS personnel on the IBM
- Supervised the Development of DLS Driver License Screens(AE,AF, CE, CF)
- Provided On-call Support

**EDUCATION:**

- B.S., Computer Science Candidate  
University of Maryland (College Park, MD)

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- A.A., Computer Science Awarded  
Burlington County College (Pemberton, NJ)

**IBM TRAINING WORKSHOPS:**

- CICS Transaction Server 5.1 09/2013  
CICS Web Services, CICS Transaction Gateway, CICS Explorer
- DB2 Version 10 Migration 06/2013

**CERTIFICATIONS:**

**IBM:**

CICS WEB Services for Transaction Server 4.1 11/2010  
IBM CICS/MVS Version 2.1 Command Level COBOL

**CDC and UNISYS:**

Scientific information Retrieval Data Base System (S.I.R.) Version I and Version II

**UNIVAC 1100 computer system:**

DMS-1100  
DMS-1100 Internals for the UNIVAC 1100 computer system

**HP-3000:**

IMAGE-3000  
QUERY-3000  
VIEW-3000  
FORMSPEC-3000  
MPE

**PROFESSIONAL REFERENCE:**

Name:	Victor I. Ochia
Email:	<a href="mailto:victor.ochia@capitalone.com">victor.ochia@capitalone.com</a>
Phone no.:	352-397-1567
Designation:	Team Lead - Application Development
Organization:	Capital One



## 7. LORENZO BARNES



### LORENZO K BARNES COBOL MAINFRAME PROGRAMMER

#### SUMMARY OF EXPERIENCE AND QUALIFICATIONS:

COBOL Mainframe Programmer with experience in the software development, analysis, implementation, support and testing of client/server applications on COBOL Mainframe platforms.

- Developed and maintained Merchant Master Financial Systems and Business Credit Card accounts systems, utilizing Jira, IDZ, Eclipse, BMS Mapping, BMC, COBOL, CICS, Batch/Online, SQL, VSAM, DB2/SPUFI/QMF, IBM MQ, JCL, NDM, FTP, SFTP, IDE/Endevor, File Manager, TSO/ISPF and all IBM Utilities.
- Created and enhanced the financial systems which includes ACH, Lockbox, Wire transfers while incorporating IDS, DDA, TDA, Debit Cards, Credit Cards, Smart Technology "Digital Debt Card systems" card system for Mobile devices with Financial Products utilizing COBOL, CICS, SQL, DB2, IBM MQ, JCL, ENDEVOR, TSO/ISPF all IBM Utilities.
- Maintained products and promotional APRs data from a variety of sources to analyse performance, identify areas of opportunity, and provide actionable insights to operations leaders and front-line team members using Java, Swagger, and Spring boot. Responsible for Wire Transfer (W&T) & Money Laundering (M&L) applications that track Domestic and International transactions utilizing COBOL, VSAM, JCL, CICS (real-time transactions (Teller and AMT, Wire, and Money Transfers), SQL, and DB2.

#### CURRENT EXPERIENCE:

**Judicial Council of California, San Francisco, CA**

**Sr. Software Mainframe Developer**

**02/2024 – Current**

#### **Contribution:**

- Held responsible for developing, maintaining, and enhancing mission-critical systems for the Judicial Council of California (JCC), utilizing tools and technologies such as Jira, IBM Developer for z/OS (IDz), COBOL, CICS, Batch/Online processing, SQL, VSAM, DB2/SPUFI/QMF/Platinum Products, CMOD, IBM MQ, JCL, NDM, FTP/SFTP, ISPW, File Manager, TSO/ISPF, and all relevant IBM Utilities.
- Accountable for supporting and modernizing core JCC applications related to case management, judicial operations, and administrative processes, ensuring system performance, data integrity, and compliance with state and court policies.
- Responsible for translating evolving policy directives and system requirements into scalable, secure, and maintainable mainframe solutions within both Agile and Waterfall delivery frameworks.
- Led the transformation of key inter-agency data exchange processes into efficient, automated mainframe solutions, enhancing operational efficiency and service delivery across the California judicial system.

**New York State Department of Health /New York State DMV/One New York Police, Albany, NY**

**SR. Software Developer/ SR. Systems Analyst Consultant**

**07/2023 – 02/2024**

#### **Contribution:**

- Held Responsible for Pro-Bono development and modifications for systems that utilizing COBOL, CICS, Micro Focus COBOL, DB2, SQL, VSAM, ETL, FRD's, TRD's, JCL, Data Mapping, and Data Warehousing.
- Held Responsible for part of the conversion for IBM/Express Scripts Inc. Franklin Lakes, NJ Pharmacy, and Prescription Drugs (837D) utilizing COBOL, DB2, ETL, CICS and JCL.

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- Developed and maintained of the New York State Medicaid System (EMEDNY) for DOH utilizing ETL DataStage 8.5, Teradata SQL/Assistant, Metadata, Stored Procedures, Teradata RDBMS architecture, Fast Load, Fast Export, Multiload utilities, BTEQ, MQ/MQSI/MQ, COBOL, DB2, SQL Server, ETL, CICS, JCL, Snagit, Cognos and BI-Query in a Data Warehouse environment.
- Ensured the 837I, 837P and 835 processing for MVP HEALTH CARE Schenectady, NY Pharmacy, and Prescription Drugs (837D) utilizing COBOL, Micro Focus, DB2, ETL, CICS and JCL.
- Updated the traffic system for the DMV-State of New York which allow traffic court in the police department to schedule appointments for trial which ensure that all parties are available.
- Developed a system that reduce the cost of court appears with the New York Police Dept. (One Police Plaza), while reviewing and maintaining applications being generated from the DMV and I created selected SQL reports which were not required, analysed Police Dept, generation procedures, recommended efficiency improvements and documented changes required to eliminate unscheduled court appears for an online system while utilizing COBOL, Micro Focus COBOL, CICS, DB2, SQL, JCL, VSAM, ADABASE, RAMIS, IDMS, SMARTTEST and NDM.
- Processed new mortgages for Fidelity Investments where the new system linked all investment services.
- Maintained Claims and Eligibility processing for CIGNA Insurance where we incorporated a new adjudication process.
- Created and maintained RAMIS databases, while creating quick complex reports.
- Expertise in Data Analyst while performing SQL Queries within a SQL Server 2008 and in a Mainframe environment (z/OS MVS, AS400) which utilizing FTP/SFTP, NDM, ETL, Micro Focus COBOL, Teradata, Metadata, DataStage, EXCEL, and I have written over 10,000 SQL Queries.
- Held Responsible for EMEDNY Data Marks fixes that transfer control from CSC to CMA for (EDI X12 834/835/837/270/271/276/277/278/997/999/5010/ICD-9/10 HIPAA PHI, CMS) Teradata, MQ messages from the Data Warehouse to all downstream systems.
- Created detail Functional and Technical requirements/specifications for programs of low to high complexity utilizing Trace Analysis, Impact Analysis, Data Gathering, Time Estimates, and Erwin data modelling 4.0/4.5 which ensures SOA standards for delivery.
- Held Responsible for the development of Functional and Technical specifications for the Mainframe Element Elevation system (MEE) that transfers 834/837 (MCS Claims processing) MQ messages from CASE/Lotus Notes to the Mainframe and updates ENDEVOR functions via an API, utilizing COBOL, Micro Focus COBOL, CICS, SQL, DB2, ETL, FTP/SFTP, NDM, EDI X12, DataStage, MQ Series, Lotus Notes, RUP, MS Word, MS Excel, MS Access, CASE, and ENDEVOR.

**Great Lakes Higher Education Corp./Nelnet, Inc./ Randstad Technologies, LLC, Columbus, OH**  
**IT Software Engineer** **12/2022 – 05/2023**

**Contribution:**

- Held Responsible for developing, maintaining, and enhancing Great Lakes Higher Education Systems and Student Borrower Loan systems which utilize Jira, IDZ, Eclipse, COBOL, CICS, Batch/Online, SQL, VSAM, DB2/SPUFI/QMF/Aqua Data Studio, CMOD, IBM MQ, JCL, NDM, FTP, SFTP, Changeman, File Manager, TSO/ISPF and all IBM Utilities.
- Held responsible for maintaining and decommissioning Great Lakes Higher Education System, which was being transferred over to Nelnet, Inc. through acquisition.
- Held responsible for translating system requirements into designing and developing customized systems in an Agile and a Waterfall environment.
- Transformed vital merger needs into code and driven innovation.

**Fiserv/First Data/ ApTask, Columbus, OH**  
**Software Development Engineer III**

**07/2022 – 10/2022**

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**Contribution:**

- Developed, maintained, and enhanced Merchant Master Financial Systems and Business credit card accounts systems which utilize Jira, IDZ, Eclipse, BMS Mapping, BMC, COBOL, CICS, Batch/Online, SQL, VSAM, DB2/SPUFI/QMF, IBM MQ, JCL, NDM, FTP, SFTP, IDE/Endevor, File Manager, TSO/ISPF and all IBM Utilities.
- Developed and maintained clients credit card APRs data from a variety of sources (Amex, VISA, Master Card, and Discover Card) to analyse performance and identify areas of operations.
- Held Responsible for translating system requirements into designing and developing customized systems in an Agile and a Waterfall environment.
- Transformed vital business needs into code and drive innovation.

**U.S. Bank/ Wipro, Columbus, OH**  
**SR. Software Developer Analysis/SR. Systems Analyst**

**03/2022 – 07/2022**

**Contribution:**

- Developed, maintained, and enhanced Consumer and Business credit card accounts systems which utilize Jira, GitLab, IDZ, Postman, Eclipse, BMS Mapping, BMC, COBOL, CICS, SQL, VSAM, DB2/SPUFI/QMF, IBM MQ, CMOD, JCL, NDM, FTP, SFTP, IDE/Endevor, File Manager, TSO/ISPF and all IBM Utilities.
- Developed and maintained products and promotional APRs data from a variety of sources to analyse performance, identify areas of opportunity, and provide actionable insights to operations leaders and front-line team members (Java, Swagger, and Spring boot), entrenching the team as indispensable insight drivers.
- Held Responsible for translating system requirements into designing and developing customized systems in an Agile and a Waterfall environment.
- Transformed vital business needs into code and driven innovation.

**Cincinnati Insurance Company/ Beacon Hill Consulting, Cincinnati, OH**  
**SR. Software Developer Analysis/ SR. Systems Analyst**

**03/2021 – 10/2021**

**Contribution:**

- Developed, maintained, and enhanced Insurance systems (Workers Compensation, eClass, eValue, Premium, etc.) which utilize DBeaver, Remedy, BMS Mapping, BMC, COBOL, CICS, SQL, VSAM, DB2, IBM MQ, JCL, EJES, NDM, FTP, SFTP, Changeman, File Aid, TSO/ISPF and all IBM Utilities.
- Held Responsible for leveraging data from a variety of sources to analyse performance, identify areas of opportunity, and provide actionable insights to operations leaders and front-line team members, entrenching the team as indispensable insight drivers.
- Held Responsible for translating system requirements into designing and developing customized systems in an agile and Waterfall environment.
- Transformed vital business needs into code and drive innovation.

**TCS, Columbus, OH**  
**SR. Software Developer Analysis/SR. Systems Analyst**  
**Client: 53rd Bank, PNC Bank, Nationwide Insurance**

**01/2019 – 06/2020**

**Contribution:**

- Developed, maintained, and enhanced financial systems which includes ACH, Lockbox, Wire transfers while incorporating IDS, DDA, TDA, Debit Cards, Credit Cards, Smart Technology “Digital Debt Card systems” card system for Mobile devices with Financial Products utilizing COBOL, CICS, SQL, DB2, IBM MQ, JCL, ENDEVOR, TSO/ISPF all IBM Utilities.





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- Developed, maintained, and enhanced financial systems which include IDS, DDA, TDA, Debit Cards, Credit Cards, and Smart “Digital Debt Card systems” card system for Mobile devices with Financial Products. In which I utilize COBOL, CICS, SQL, DB2, IBM MQ, JCL, ENDEVOR, TSO/ISPF all IBM Utilities.
- Led a team under an Agile/EPIC/JIRA/SPRINTS/ ServiceNow/QC environment.
- Developed, maintained, and enhanced financial systems which includes Variable Funds, Fixed Funds, Index Funds, and Financial Products with Categories/Options, which supported Annuities. In which I utilize COBOL, CICS, IADT, SQL, DB2, JCL, Changeman, IDZ, Z-Unit, DTCN, TSO/ISPF GIT, and all IBM Utilities.
- Lead a team under an Agile/EPIC/JIRA/RTC/QC environment.

**Elgebra Inc., Morrisville, NC**

**SR. Software Developer/ SR. Systems Analyst**

**09/2018 – 12/2018**

**Contribution:**

- Developed, maintained, and enhanced the Micro Focus/Mainframe MA POPS (Massachusetts) Medicaid system (claims processing) that utilizes EDI ANSI X12/834/270/271/837/276/277/835, COBOL, Micro Focus COBOL, VI, UNIX, Oracle, Net Express, ESMAC, MOVEIT, FileZilla, Citrix, Control-M, JCL, ETL, CICS, DB2, SQL, Oracle SQL Developer, XPEDITER, Tortoise, and Stored Procedures.
- Held Responsible for error handling while debugging critical Medicaid production issues.

**Veterans Sourcing Group, Westerville, OH**

**SR. Software Developer/ SR. Systems Analyst**

**04/2018 – 06/2018**

**Contribution**

- Developed, maintained, and enhanced the “Digital Debt Card systems” DDA and Credit card system for Mobile Alert customers that utilize COBOL, VSAM, CICS, MQ, DB2, SQL, SQL Server, JCL, ETL, and XPEDITER. This is a reengineering effort.
- Held Responsible for Wire Transfer (W&T) applications that track Domestic and International transactions utilizing COBOL, VSAM, JCL, CICS (real-time transactions (Teller and AMT, Wire, and Money Transfers), SQL, and DB2.
- Held Responsible for error handling while debugging critical banking production issues.

**Calibro Inc., Buffalo, NY**

**SR. Software Developer/ SR. Systems Analyst**

**11/2017 – 03/2018**

**Contribution:**

- Developed, maintained, and enhanced the “ESB - Enterprise Service Bus” DDA and Credit card system for Mobile Alert customers that utilize COBOL, CICS, MQ, DB2, SQL, VSAM, SQL Server, JCL, ETL, and PANVALET. This is a reengineering effort.
- Held Responsible for Money Laundering (M&L) applications that track Domestic and International transactions utilizing COBOL, JCL, CICS (real-time transactions (Teller and AMT, Wire, and Money Transfers), SQL, and DB2.
- Held Responsible for error handling while debugging critical banking production issues.

**York Solution Consulting, Atlanta, GA**

**SR. Software Developer/ SR. Data Systems Analyst**

**06/2017- 09/2017**

**Contribution:**

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- Developed, maintained, and enhanced the Mainframe MRT MedicareRT system (claims processing) that utilizes EDI ANSI X12/834/270/271/837/276/277/83, COBOL, Micro Focus COBOL, JCL, ETL, VSAM, CICS, DB2, SQL, SQL Server, XPEDITER, GIT GUI, SP2, File locator, Tortoise GIT, Realia, Fujitsu and Pervasive PSQL.
- Held Responsible for Medicare Agile development methodology, Unit Testing, and Validation.

**Fourci Inc. (Deloitte-Edward Jones), Columbus, OH**  
**Sr. Mainframe Developer**

**01/2009 - 05/2017**

**Contribution:**

- Held Responsible for developing, maintaining, and enhancing Edward Jones Systems which utilize Jira, IDZ, COBOL, CICS, Batch/Online, SQL, VSAM, DB2/SPUFI/QMF/Platinum Products, CMOD, IBM MQ, JCL, NDM, FTP, SFTP, ISPW, File Manager, TSO/ISPF and all IBM Utilities.
- Held responsible for maintaining Edward Jones FA investment and account portfolio System.
- Held responsible for translating system requirements into designing and developing customized systems in an Agile and a Waterfall environment.
- Transformed vital Branch to Branch investment information into code and driven innovation.

**SYSTEM EXPERIENCE:**

**Software:**

JCL, VM/CMS, XPEDITER, INTERTEST, ENDEVOR, FILE-AID, TSO/ISPF, FTP, DITTISMART TEST, MMIS, RAMIS, EASYTRIEVE PLUS ROSCOE, SMS/DMI, CA7, ABEND-AID, CICS, VSAM, INFOHUB, OMNI, MQ SERIES, EDI, ETL, Run, PANVALET, GRAPEVINE, DB2 CONNECT, SAP, DB2, SPUFI, QMF, STORED PROCEDURES, Net Express, PVCS, Oracle 8i, SQL Plus, VMS, Open VMS, Change man, EJES, DML, DOS, MS Word, Excel, PowerPoint, Access, Visio, and Data Modelling Realia, File Locator, SP2, Fujitsu, GIT GUI, TortoiseGIT and Pervasive PSQL.

**Hardware:**

IBM 3090 OS/390, MVS, z-OS, HP, UNIX, VAX11/410/6000/750, and DATAPOINT.

**Languages:**

VS/COBOL/COBOL II/MVS COBOL (LE)/390, dBase IV, CICS, SAS, RAMIS, MICRO-FOCUS, COBOL, C++, and JAVA Script.

**EDUCATION:**

- Completed High school from Indian River High School, Chesapeake, VA in 1981.

**REFERENCES:**

- Lafayette Hill, Project Leader, UPS, [lafayettehill@tforce.com](mailto:lafayettehill@tforce.com)
- Dauntrica Woods, Project leader, Apex Premier Solutions, [dauntrica@apexpremiersolutions.com](mailto:dauntrica@apexpremiersolutions.com)

**PROFESSIONAL REFERENCE:**

Name:	Andy Wergedal
Email:	<a href="mailto:wergedalandy@gmail.com">wergedalandy@gmail.com</a>
Phone no.:	916-799-4398
Designation:	Project Manager
Organization:	Judicail Council of California

## 8. VENKAT JANARTHANAN



### **VENKAT JANARTHANAN** **MAINFRAME PROGRAMMER ANALYST**

#### **OBJECTIVE:**

Seeking to handle increasing responsibility and challenging assignment to harness my technical skills, Knowledge and achieve recognition. To develop my career as a valuable team member, contributing quality ideas and work for an organization where there is ample scope for individual as well as organization.

#### **PROFESSIONAL SUMMARY:**

- Over 23 years of experience in MAINFRAME (TSO, ISPF, ISPW, COBOL, CICS, DB2, IMS DB/DC, VSAM, JCL, TELON) Application Study, Requirement gathering, Design, Development, Quality Assurance, Implementation and Production Support.
- Over 5 years of experience working in study, coding, developing, and modifying COBOL/IDMS programs.
- Proven ability to integrate mainframe applications with other interface i.e. SALESFORCE, IBM Integration BUS, and ORACLE using Transaction Server (CTS) & CICS Transaction Gateway (CTG) & IBM integration BUS as the middleware.
- Develop proof of concept for migrating Build/Testing/Deployment process of IBM Mainframe and Java infrastructure into fully automated pipeline using DevOps tools.
- Developer and Team lead to support Financial/manufacturing industry projects.
- Knowledge of CICD pipelines for Java and Mainframe application using GITLAB, JENKINS.
- Good understanding on REST/SOAP API web services, Customer Information System (CIS)/ Customer Relationship Management (CRM), EDI (Electronic Data Interchange), PEP (Polish - ePayments).
- Sound knowledge on IBM (ADDI) Application Discovery and Delivery Intelligence.
- Worked extensively with automated tools such as CA-7/CA-11 (Job Scheduler), debugging tools such as XPEDITOR/TSO and XPEDITOR/IMS
- Experience in structured methodology covering the entire Software Development Lifecycle (SDLC).
- Experienced in all project phases using Waterfall and Agile Methodologies.
- Manual testing for mainframe and Web-based applications which included White-Box Testing, Black Box testing, Functionality testing, Integration testing, Regression testing, Performance testing and Load testing
- Proficient in writing test plans, test scenarios/test cases and documentation of test results.
- Experience in migration and implementing projects in the Federal, State, and Health Insurance, Utilities, Accounting, Banking, Retail supply chain and Manufacturing Industry.
- Proficient in gathering client requirements through standardized documenting with functional, design, technical and program Specifications.
- Strong leadership, mentoring, communication skills, highly self-motivated, goal oriented and committed to timely delivery.

#### **TECHNICAL SKILLS:**

**Languages:** COBOL (I/II/MF/74/85/UNISYS), SCREEN COBOL (SCOBOL), TAL, TACL, PL1, DLI, CICS, JCL, C/370, C, Cold Fusion, Visual Basic, VB Script, JavaScript, Korn Shell, Pearl, PYTHON, HTML, XML, MQ Series, EASYTRIEVE.

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**OLTP Environment:** CICS, CICS Web Services, CICS Transaction Server 3.1 (CTS), CICS Transaction Gateway (CTG), TCP/IP.

**Database:** DB2, DB2 UDB, IMS-DB/DC, IDMS, BSAM, VSAM, MS SQL Server, ORACLE, MS Access.

**Reporting Tools:** COGNOS (Impromptu, Power Play), Crystal Reports, VIS (Viewing Interactive System) Report, SAS

**Other Utilities:** ENDEVOR, TELON, IBM ADDI, Test Director, NET Express, BMC-Control-M, Network Data move (NDM), Server Express, DB2 MQ Series Assistant, RUMBA, IBM WEBSPPHERE MQ 7.0, XML4COBOL, CA-GENER/OL, CA-ADS, BMS/GT, TWS/OPC, INTERTEST, WINRUNNER, TWO, Relativity, COOLGEN, SYSTEMWARE, OMEGAMON, XGEN, TSO, ISPF, GitLab, CA-PANVALET, MS Flight, CHANGEMAN ZMF, Expeditor, FILE AID, ABEND AID, CA-7, CA-11, QMF, SPUFI, TOAD, PL/SQL, SQL\*Loader, TERADATA SQL Assistant, MS DTS, SFTP, FTP, EDI, PEP, ACH, ACI, SMARTTEST, SYNC SORT, DFSORT, MS Office, MS VIZIO, MS Project, ICETOOL, ERWIN.

**OS:** Microsoft Windows 7/10, Windows XP/NT, UNIX, AS/400 iSeries (IBM), TANDEM, IBM OS/360/390, MVX, IBM z/OS, Mac OS.

**PROFESSIONAL EXPERIENCE:**

**State of Massachusetts Department of Revenue, Boston, MA** **01/2020 to Present**  
**Mainframe Senior Programmer Analyst**

- Engaged in business analysis, requirements gathering, system design, development, testing, and implementation of enhancements to taxpayer data management systems, including modernization efforts using COBOL and DB2. Developed COBOL/DB2 programs to capture and process taxpayer information received via IBM MQ, updating core DB2 tables that support DOR's compliance and revenue tracking systems.
- Designed, developed, and tested COBOL/DB2 stored procedures integrated with front-end user interfaces, enabling real-time data capture, validation, and manipulation in support of tax account maintenance. Implemented row- and page-level DB2 locking mechanisms to prevent lock escalation and maintain data integrity under high transaction volumes.
- Supported the electronic exchange of tax forms, payment records, and compliance notifications using Electronic Data Interchange (EDI), facilitating accurate and timely communication between DOR systems and external stakeholders.
- Actively managed production support issues initiated through JIRA and DOR's internal activity reporting system, ensuring timely resolution and continuous system availability.
- Performed in-depth impact analysis and created comprehensive requirement, design, and unit testing documentation, uploaded to project Wiki for visibility and traceability. Coordinated closely with the Java development team during system integration testing phases to ensure seamless backend-frontend interoperability.

**Environment:** z/OS, TSO, ISPF, SCLM, CICS, COBOL, DB2, VSAM, JCL, XPEDITOR, AGILE, SCRUM, JIRA, EDI, WIKI, FILE-AID, IBM ADDI, FILE MANAGER, SPUFI, PLATINUM, IBM DATA STUDIO.

**Alabama Department of Human Resources, AL (Remote)** **06/2019 to 11/2019**  
**Mainframe Programmer Analyst**

**Engaged in requirements gathering, functional, design, coding and regression/unit testing for the**

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**following projects using COBOL/CICS/TELON/VSAM/DB2:**

- Homeless Shelter
- Emergency allotments
- SNAP – Food assistance claims processing against households
- Lottery and gambling
- Child support (Case and Financial Management System)
- Summer P-EBT

**Worked parallel on the following:**

- Resolve problem tickets from DHR users.
- On-call production support to monitor daily and monthly job cycles.
- Worked with Department of health (DOH) and Department of Motor Vehicles (DMV) interfaces to send and receive the personnel information.
- Create JCL's for data fix for both VSAM file and DB2 tables using EAZYTRIEVE
- Debugging any production issues using XPEDITOR for TELON/COBOL/CICS with VSAM or DB2 database

**Environment:** z/OS, TSO, ISPF, CICS, COBOL, DB2, VSAM, JCL, XPEDITOR, FILE-AID, ROSCOE, TELON, EAZYTRIEVE, FILE MANAGER, SPUFI, FTP, TERADATA SQL ASSIST, SERVICE NOW, ENDEVOR.

**VISA CARD, AUSTIN, TX**

**11/2018 to 04/2019**

**Mainframe Senior Programmer Analyst**

- Engaged in study/design/development/Unit testing/Creating Unit test plans with existing ATM Format Conversion and VFTS (VISA card Fund Transfer System) applications in COBOL/CICS/VSAM/DB2.
- Worked on payment gateway enhancement in which VISA integrates with e-commerce platforms which offer payment gateway options.
- As a part of billing cycle conversion project, got busy creating flow chart detailing the JOB/PROC/PROGRAM flows, documenting the logic flow.
- Handled COBOL upgrade project from 4.2 to 6.3 compiler version for Treasury and Settlement system. This involves working with SCM to see all new processor groups are aligned in each ENDEVOR environment for ADDING/COMPILING the COBOL/CICS/VSAM/DB2 programs in ENDEVOR DEV/QA region. Co-ordinate with QA team for SIT to see how the results come up when dealing with external applications.

**Environment:** z/OS, TSO, ISPF, CICS, COBOL, DB2, VSAM, JCL, CA-7, ASKNOW, TELON, XPEDITOR, FILE-AID, FILE MANAGER, DFSORT, SPUFI, IBM ADDI, ENDEVOR, QMF.

**ARMY AND AIRFORCE EXCHANGE, DALLAS, TX**

**11/2015 to 07/2018**

**Mainframe Senior Programmer Analyst**

**SOFTLINE PLANNING PROJECT,** worked on requirements gathering, enhancing and maintenance of FASHION PROFILE/FASHION DISTRIBUTION systems to minimize the impact to the current FDS receiving "Tally-In" & "Distribution Hold" business procedures for the initial implementation and develop an interim approach. Also, as a part of this project, Fashion Distribution System (FDS) has been less integrated with the to-be decommissioned Fashion Profile System (FPS).

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**FMO WORK ORDER Management SALESFORCE integration project**, worked on integrating FIVEX/IGLAS/VENDOR MASTER mainframe systems with IBM Integration Bus middleware using CICS Transaction server and CICS Transaction Gateway.

**ORACLE TRANSFORMATION MANAGEMENT (OTM) project**, worked on integrating VENDOR MASTER Mainframe system with IBM Integration Bus middleware using CICS Transaction server and CICS Transaction Gateway.

**Responsibilities:**

- Executed ARMY AND AIRFORCE EXCHANGE SYSTEM (AAFES) SDLC process and promotion of a vision for new and existing component change request.
- Researched & implemented a large volume of UNISYS/COBOL/CICS/VSAM/DB2/IDMS/IMS coding with sound technical knowledge in order to deliver both online and batch application efficiently.
- Writing technical specifications for IDMS logical record facility.
- Proof of Concept (POC) to integrate mainframe UNISYS/COBOL/DB2/IMS programs with SALESFORCE- Customer Relationship Management (CRM) platform& ORACLE TRANSFORMATION (OTM project) using IBM INTEGRATION BUS (middleware) for FMO work order management project.
- Develop proof of concept for migrating Build/Testing/Deployment process of IBM Mainframe and Java infrastructure into fully automated pipeline using DevOps tools.
- Knowledge of CICD pipelines for Java and Mainframe application using GITLAB, JENKINS.
- Used Export option to save the data that is currently displayed in the IMS Connect Extensions Operations Console to a file in CSV (comma-separated values) format.
- Worked with connect direct which is originally Network Data mover (NDM) to transfer files between mainframe and midrange.
- Evaluate current business practices with emerging technology and recommend relevant process enhancements and products that anticipate or complement corporate direction.
- Planned and developed the flow of user documentation in order to ensure that the technical material was accurate and easily understood by potential users.
- Developed stored procedures and triggers to facilitate consistent data entry into the ORACLE staging table.
- As a part of COBOL/DB2 stored procedure programming handled number of row and page level locks in order to overcome escalation for exceeding the permissible limit.
- Created reconciliation report generated in mainframe using COBOL, DB2, VSAM, JCL, SAS.
- Worked on production support for monitoring and fixing production issue for daily, weekly and monthly batch cycles.

**Environment:** z/OS, TSO, ISPF, CICS, MQ series, UNISYS, COBOL, DB2, IMS DB, VSAM, JCL, CA-7, TELON, XPEDITOR, AGILE, SCRUM, GITLAB, GITHUB, JENKINS, DevOps, FILE-AID, TWO, FILE MANAGER, SPUFI, CA-PANVALET, CA-ADS, QMF, CONTROL-M, MF COBOL, EDI, CICS Transaction Server (CTS), CICS Transaction Gateway (CTG), TCP/IP, FTP, IMS Connect, Network data mover (NDM), TERADATA SQL Assistant, MICROFOCUS NET EXPRESS V5.1. IBM Integration BUS, SAS, Syncsort, ORACLE, PL/SQL, TOAD.

**STATE OF INDIANA, STATE OF MARYLAND**  
**Mainframe Senior Programmer Analyst**

**08/2013 to 08/2015**

Supported INDIANA CLIENT ELIGIBILITY SYSTEM (ICES) for State of Indiana to assist Hoosiers in timely

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manner. Our recent achievement is successfully implementing the Healthy Indiana Plan (HIP 2.0) Supported CLIENT AUTOMATED RESOURCES ELIGIBILITY SYSTEM (CARES) for State of Maryland. The CARES system is the primary source of eligibility determination information to support claims processing in the Medicaid Management Information System (MMIS).

**Responsibilities:**

- Analyzed, Designed, Developed & tested On-line screens & batch processing programs using TELON, Cobol, CICS, DB2, IMS DB
- Developed new inbound/Outbound programs in CICS Web Services Environment with support of CICS Transaction Server 3.1
- Documenting and coordinating project activities for internal knowledge base.
- Escalation of issues within Project Tracking Systems appropriate
- Estimate workload and Resource planning.
- Worked exclusively with the TERA data SQL Assistant to interface with the TERADATA.
- Executed performance, scalability, system, functional and integration test plans based on detailed feature requests
- Worked on dataset
- Worked on-call during the weekends for the production support of batch processes

**Environment:** z/OS, TSO, ISPF, CICS, CICS Web Services, CICS Transaction server, COBOL, DB2, IMS DB, VSAM, JCL, CA-7, TELON, COGNOS, XPEDITOR, FILE-AID, FILE MANAGER, DFSORT, SPUFI, ENDEVOR, QMF, MQ Series, HTML, JAVASCRIPT, TERADATA SQL ASSIST, BTEQ, MLOAD, FLOAD, FEXPORT.

**United Health Insurance Group, Indianapolis, IN**

**10/2011 to 04/2013**

**Mainframe Programmer/Analyst**

As a part of IT policy accounting team, worked directly with the client to successfully design, develop & maintain the Policy Accounting System (POLA).

**Responsibilities:**

- Researched & implemented a large volume of policy accounting using COBOL/CICS/VSAM/DB2 coding with sound technical knowledge in order to deliver both online and batch application efficiently.
- Daily interaction with ON-CALL production support off-shore team for medical claims & accounting batch cycles.
- Hands on with JCL's and procedures, which include implementing better way of RESTORE & BACKUP logic.
- Worked with CA-7/CA-11 job scheduler to schedule and identify the job flow.
- Worked with report DISPATCH to create & monitor the reports.
- Worked with ABEND AID to research the day-to-day online screen ABEND.
- Worked with XPED debugging for production ABEND i.e. data exception etc.,
- Planned and developed the flow of user documentation in order to ensure that the technical material was accurate and easily understood by potential users.
- Conducted discussions with the accounting team in order to understand the business for any kind of System Change request or production ABEND/problem fix.
- As a part of UHC SDLC, wrote system change request, functional design, technical design, system test plan, system test results & back out specifications based on the recent changes/prod.

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**Environment:** z/OS, TSO, COBOL, ROSCOE, ISPF, ASSEMBLER, VSAM, CICS, JCL, DB2, QUICK JOB, Report DISPATCH, FILE-AID, ENDEVOR, XPEDITOR, ABEND-AID, CA-7/CA-11.

**Department of Child Support, Indianapolis, IN**  
**Mainframe Programmer Analyst/Business Analyst**

**02/05 to 04/11**

Developed and maintained ISETS case management and financial management systems- used to identify and track absent parents, establishment of parentage, establishment and modification of child support orders and medical support orders, collection of support obligations and any other appropriate actions.

**Responsibilities:**

- Worked extensively in TELON/DB2 (Online screens), COBOL/DB2 (batch programs), to create/enhance new and existing programs.
- Involved in child support health insurance entity as a part of MEDICAL SUPPORT enhancement.
- Executed ISETS SDLC process and promotion of a vision for change request routines
- Analyzed client requirements, reviewed findings and implemented solutions
- Receiving all County data to State in daily basis from AS/400 Server.
- Hands-on experience with deriving new SQL's and with existing SQL for performance tuning
- Created test scenarios and test data; developed an idea from its initial stages to the final product and effort estimates
- Wrote functional design and technical design specifications based on the recent changes with the business logics
- As a part of batch support team, monitored/ran daily, weekly, beginning-of-month and end-of-month jobs

**Environment:** COBOL II, TSO, ISPF, TELON, VSAM, CICS, DB2, JCL, OS/390, AS/400, ICETOOL, QMF, SPUFI, FILE-AID, IBM-DEBUG, ENDEVOR, ABEND-AID

**Forethought Life Insurance and Finance Services, Batesville, IN**  
**Programmer Analyst**

**06/04 to 01/05**

**Responsibilities:**

- Coded conversions using COBOL, Mantis and DB2, IMS DB/DC for BANKONE to FIFTH THIRD BANK, which involved coding and table design change
- Studied, designed, developed and implemented Policy Print programs, which were developed in COBOL and Mantis programming OS/390 environments with DB2
- Utilized CHANGEMAN-ZMF (Project Management Tool) for baseline movements such as Checkout, Staging and Promoting components starting with level 30; then moved to QA, approved and moved to level 50 UAT which was the final approval for changes
- Studied IMS DB utilities and converted it to DB2 utilities
- Conducted analysis, coding and testing for IT requests (Production issues) in PL1, COBOL and DB2 for code conversion from an Ingenium upgrade 5.5v into 6.3v, which had a major impact on the DB2 table change for all COBOL and Mantis programs
- Created test plans for the code conversions and IT requests which covered White Box, Black Box and Impact Analysis Testing
- Conducted DB2 table analysis using DB2 catalog, SPUFI and QMF before applying any SQL coding in COBOL and Mantis programs
- Developed design and functional level documents and discussion for Policy Print modules analysis

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with code conversion tables for policy print

**Environment:** COBOL II, TSO, ISPF, CHANGEMAN-ZMF, PL1, Mantis, VSAM, CICS, IMS DB/DC, DL/I, DB2, JCL, Win Runner, QMF, SPUFI, FILE-AID, EXPEDITOR, ABEND-AID, OS/390

**U.S. Department of Justice, Falls Church, VA**

**09/99 to 09/03**

**Systems Analyst**

Maintained, re-engineered and migrated two large mainframe COBOL legacy systems (ANSIR - Automated Nationwide System for Immigration Review and BIA - Board of Immigration Appeals) to Centralize and web-enable them.

**Responsibilities:**

- Worked with QMF and SPUFI for query optimization for COBOL reports
- Worked with complex JCL for the COBOL-DB2 batch jobs
- Worked as an OS/390 environment specialist in order to organize the COBOL application and normalize and optimize data from DB2
- Involved in designing COBOL data structures with Primary and Alternate key mapping with a better understanding of the legacy system
- Worked with BMS macros, File Control, Exceptional handling, TSQ's, TDQ's and involved in major CICS application changes with BIA system using CICS programming techniques.
- Develop batch processes for Immigration review & Immigration appeals reporting applications using Perl and Korn shell scripts.
- Conducted Expediter analysis and testing (online and batch unit test), directly contributed to a substantial IT cost reduction in CPU cycle cost, DASD storage, batch process times
- Involved in creating test plans for both client side and server-side validation using the current business plans
- Involved in the evaluation of DB2 ASSIST for MQ SERIES
- Involved in migration including the loading of data from legacy systems to Oracle using SQL Loader utility and DTS

**Environment:** COBOL II/370/VM, CICS, MVS-XA, UNIX, OS/390, IMS DB/DC, DLI, DB2, BSAM, VSAM, TSO/ISPF, JCL, FILE AID, ABEND AID, Expeditor, Easytrieve, Endevor, Syncsort, Perl, Korn Shell, CHANGEMAN ZMF, BMS/GT, CA-GENER/OL, QMF, SPUFI, INTERTEST, UNIX, Relativity, Omegamon, VUPOINT, Cold Fusion, Win Runner, MS SQL Server 2000

**EDUCATION:**

- Bachelor's Degree in Science, Madras University, Chennai, India

**PROFESSIONAL REFERENCE:**

Name:	Swathi Mall
Email:	<a href="mailto:mall@dor.state.ma.us">mall@dor.state.ma.us</a>
Phone no.:	917-288-7549
Designation:	Project Manager - Technical Lead
Organization:	Massachusetts – Department of Revenue

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DECLARATION OF SUBCONTRACTOR

Clovity, Inc. formally declares that we do not intend to engage any subcontractors or sub-subcontractors in the performance of services for the solicitation CRFQ 0802 DMV2500000004. Clovity will be solely responsible for the full and effective delivery of all services as specified in the contract.

Our experienced and dedicated internal team will handle every aspect of service delivery, from project management to execution, ensuring the highest standards of quality and compliance are met. By not utilizing third-party subcontractors, we maintain full control over all processes, ensuring streamlined communication, faster decision-making, and uninterrupted service delivery.

This approach allows Clovity to directly oversee and manage all aspects of the project, ensuring that we meet and exceed the expectations of the West Virginia Department of Administration, Purchasing Division, while delivering a seamless and highly responsive service.

We are committed to providing a fully integrated, hands-on approach to meeting all project requirements and are confident in our ability to deliver without reliance on external vendors. Should you require any further clarification or have additional questions about our approach, please feel free to contact us.

CONTRACT MANAGER

**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:** Prachi Singh

**Telephone Number:** 510-756-5626

**Fax Number:** N/A

**Email Address:** prachis@clovity.com



## DECLARATION OF AGREEMENT TO GENERAL TERMS AND CONDITIONS

**Subject: Acknowledgment and Agreement to General Terms and Conditions for CRFQ 0802 DMV2500000004**

Dear John,

We, Clovity Inc., hereby acknowledge and agree to comply with the General Terms and Conditions outlined in the solicitation CRFQ 0802 DMV2500000004 – Mainframe Application Programmer Technical Staffing Services issued by the State of West Virginia, Department of Administration, Purchasing Division.


By submitting our response to the RFQ/RFP, we confirm that we have reviewed and fully understand the terms, conditions, and requirements stated in the attached General Terms and Conditions. We affirm that we are committed to abiding by these terms throughout the contract term if awarded, and that we are in compliance with all applicable federal, state, and local laws, regulations, and ordinances, including but not limited to licensing, insurance, and other mandatory requirements.

We further acknowledge that by signing this document, we are authorized to bind Clovity Inc. to the terms outlined herein and that our proposal constitutes an offer that cannot be unilaterally withdrawn. We understand that failure to comply with these terms and conditions could result in disqualification or cancellation of the contract, as detailed in the RFQ/RFP.

Please consider this declaration as part of our submission for the above-referenced contract.

Sincerely,

**Anubhav Tyagi**  
**Bid Manager**  
**Clovity Inc.**  
**510-626-9096**  
[procurement@clovity.com](mailto:procurement@clovity.com)

Signed by:  
  
99014D147997486...



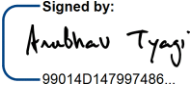
DESIGNATED CONTACT

**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.

(Printed Name and Title): [Anubhav Tyagi](#)  
(Address): [11501, Dublin Blvd., #200 Dublin California - 94568](#)  
(Phone Number) / (Fax Number): [510-626-9096](#)  
(Email address): [procurement@clovity.com](mailto:procurement@clovity.com)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; 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; 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.

*By signing: below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § SA-3-d2, which automatically voids certain contract clauses that violate State law: and that pursuant to W. Va. Code SA-3-63, the entity entering: into this contract is prohibited from engaging in a boycott against Israel.*

[Clovity Inc.](#)  
(Company)  
Signed by:  
  
99014D147997486...

(Signature of Authorized Representative)

[Anubhav Tyagi | Bid Manager | 05/02/2025 | 510-626-9096](#)  
(Printed Name and Title of Authorized Representative) (Date) (Phone Number) (Fax Number)  
[procurement@clovity.com](mailto:procurement@clovity.com)  
(Email Address)

## EXHIBIT A - PRICING PAGE

MAINFRAME APPLICATION PROGRAMMER ANALYSTS				
LOCATION - 5707 MacCorkle Avenue, S.E., Charleston, WV 25304				
Item Number	Quantity	Description	Hourly Rate	Annual Total
Year One	20,000 (8x2500 hrs)	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Year One	99	1,980,000
Optional Year Two	20,000 (8x2500 hrs)	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Optional Year Two	102	2,040,000
Optional Year Three	20,000 (8x2500 hrs)	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Optional Year Three	105	2,100,000
Optional Year Four	20,000 (8x2500 hrs)	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Optional Year Four	108	2,160,000