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Header 2

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

Procurement Folder: 1403710

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0323

Vendor ID: VS0000003909

SO Doc ID: WWV2400000009

Legal Name: Next Generation Technology Inc

Published Date: 5/8/24

Alias/DBA:

Close Date: 5/13/24

Total Bid: \$1,984,000.00

Close Time: 13:30

Response Date: 05/13/2024

Status: Closed

Response Time: 13:16

Solicitation Description: Addendum No 2: Services/Staffing Support for MACC System

Responded By User ID: nirmal.deo

Total of Header Attachments: 2

Total of All Attachments: 2

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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: 1403710
Solicitation Description: Addendum No 2: Services/Staffing Support for MACC System
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2024-05-13 13:30	SR 0323 ESR05132400000007030	1

VENDOR
VS0000003909
Next Generation Technology Inc

Solicitation Number: CRFQ 0323 WWV2400000009
Total Bid: 1984000
Response Date: 2024-05-13
Response Time: 13:16:01
Comments:

FOR INFORMATION CONTACT THE BUYER
Toby L Welch
(304) 558-8802
toby.l.welch@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	4.1 First Year Senior Programmer (System Architecture)	2000.0000	HOUR	127.000000	254000.00

Comm Code	Manufacturer	Specification	Model #
81111507			

Commodity Line Comments:

Extended Description:

4.1 First Year Senior Programmer (Technical Lead System Architecture)
Enter an hourly rate based off an estimated 2000 hours

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	4.2 First Year Senior Programmer (Database Administrator)	2000.0000	HOUR	117.000000	234000.00

Comm Code	Manufacturer	Specification	Model #
81111507			

Commodity Line Comments:

Extended Description:

4.2 First Year Senior Programmer (Database Administrator)
Enter an hourly rate based off an estimated 2000 hours

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	4.1 Second Year Senior Programmer (System Architecture)	2000.0000	HOUR	127.000000	254000.00

Comm Code	Manufacturer	Specification	Model #
81111507			

Commodity Line Comments:

Extended Description:

4.1 Second Year Senior Programmer (Technical Lead System Architecture) Optional Renewal
Enter an hourly rate based off an estimated 2000 hours

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	4.2 Second Year Senior Programmer (Database Administrator)	2000.0000	HOUR	117.000000	234000.00

Comm Code	Manufacturer	Specification	Model #
81111507			

Commodity Line Comments:

Extended Description:

4.2 Second Year Senior Programmer (Database Administrator) Optional Renewal
Enter an hourly rate based off an estimated 2000 hours

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	4.1 Third Year Senior Programmer (System Architecture)	2000.0000	HOUR	131.000000	262000.00

Comm Code	Manufacturer	Specification	Model #
81111507			

Commodity Line Comments:

Extended Description:

4.1 Third Year Senior Programmer (Technical Lead System Architecture) Optional Renewal
Enter an hourly rate based off an estimated 2000 hours

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	4.2 Third Year Senior Programmer (Database Administrator)	2000.0000	HOUR	121.000000	242000.00

Comm Code	Manufacturer	Specification	Model #
81111507			

Commodity Line Comments:

Extended Description:

4.2 Third Year Senior Programmer (Database Administrator) Optional renewal
Enter an hourly rate based off an estimated 2000 hours

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	4.1 Fourth Year Senior Programmer (System Architecture)	2000.0000	HOUR	131.000000	262000.00

Comm Code	Manufacturer	Specification	Model #
81111507			

Commodity Line Comments:

Extended Description:

4.1 Fourth Year Senior Programmer (Technical Lead System Architecture) Optional Renewal
Enter an hourly rate based off an estimated 2000 hours

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	4.2 Fourth Year Senior Programmer (Database Administrator)	2000.0000	HOUR	121.000000	242000.00

Comm Code	Manufacturer	Specification	Model #
81111507			

Commodity Line Comments:

Extended Description:

4.2 Fourth Year Senior Programmer (Database Administrator) Optional Renewal
Enter an hourly rate based off an estimated 2000 hours

Ravi Subramaniam



SUMMARY

25 years of experience in the field of Information Technology, having in-depth knowledge in (SDLC) system study, analysis, design, development, and implementation of applications.

- 12 years' experience in web-based application development.
- 12 years' experience in Client / Server software development.
- 4 years' experience in ServiceNow development
- Have a active clearance
- Worked in the Capability Maturity Model (CMM) organization environment
- Extensive experience in Internet, Intranet, Web applications using PHP, Python, ASP.net, WPF, WCF, MSMQ2.0, and IBM MQ Series
- Experienced in Object-Oriented Analysis and Design (OOAD) using Unified Modeling Language
- Hands-on experience in Web service experience RESTAPI, SOAP, XML, JSON, Java, C# WebForms/Win Forms HTML, XML Parsers, Python, VB Script, JavaScript
- Extensive Database experience in Hadoop, SQL Server, Oracle, Sybase, Teradata and DB2/AS 400
- Very good Communication, Interpersonal Skills, and strong leadership skills along with a good team player.
- Very active, understand the business and prioritize work and worked in a fast-paced environment
- Quick learner and worked in Independently and Lead /Mentor

TECHNICAL SKILLS

Methodologies:	UML, Rational Rose 2000, OOAD and Agile
Dev. Tools:	Visual Studio.Net 2017, TFS, Front Page Express98, TOAD
Configuration Tool:	GitHub, Visual Source Safe, PVCS, FileNet P8 Suite
Web Servers/ Browsers:	Internet Information Server (IIS), 7.0, IE, Firefox
Databases:	Hadoop, Hive, Hue, Impala, SQL Server 2015, Oracle 10g and MS Access 2016,
DB2, Sybase 4.0	
Operating Systems:	WINDOWS 10 and UNIX
Languages:	Java, JavaScript, PHP, jQuery, PowerShell/ Perl, VBscript, PowerShell
Middle tier:	ActiveX, MSMQ, WSDL, WCF, and IBM MQSeries
Data Access/Framework:	ADO.NET, Microsoft .NET 2.0/3.0/3.5/4.0
Internet Technologies:	HTML, DHTML, JavaScript, VB Script, XML/ XSL, CSS. AJAX, JSON
Protocols:	TCP/IP, HTTP, SMTP, SOAP 1.1 and CDO, PowerCLI
Reports:	Crystal Enterprise, Crystal Reports 11, MS-Excel, Active Reports 2.0
Testing Tool:	JIRA, Mercury Test Directory 7.0/Test Complete4.0
Front End's:	Spark, Visual Basic (3.0/4.0/5.0/6.0/. net), Classic ASP, ASP.NET,
Design Tools:	Erwin, Visual Modeler and Visio 2016.

EDUCATION

- ✓ B.E - Bachelor of Engineering
- ✓ PGDCA -Post Graduate Diploma in Computer Applications

- ✓ Competent Communication (CC)
- ✓ Competent Leadership (CL)
- ✓ Microsoft Certified Professional Web
- ✓ Microsoft Certified Professional SQL Server
- ✓ Microsoft Certified Professional Windows Arc I
- ✓ Microsoft Certified Professional Windows Arc II
- ✓ ITIL 4 Foundation Certification

EXPERIENCE

Leidos /GSA - Washington DC

Mar 2021 to till date

Architect

- Design and build of ServiceNow Applications and integration to other applications and platforms, including architecture, languages, best practices, and methodologies in an Agile Scrum environment.
- Worked on solutions for the missing Attributes of CMDB (Configuration Management Database).
- Designed and developed solutions that leverage ServiceNow modules like ITSM, Discovery, CMDB, Knowledge, and ITOM using configuration and custom JavaScript.
- Identified the duplicate CI attributes and orchestrate and automate tasks.
- Compare Asset (Hardware and Software) models vs CI models
- Worked on CIO dashboards and CMDB Dashboards.
- PDI and Used Automated Testing Framework (ATF) for SNOW Rome to San Diego
- SOP document created for Verify CI and Scan Now /Server to Business Server Mappings
- ServiceNow Discovery Schedule and log analysis
- Used ATF testing tools and execute end-to-end tests on REST API, SOAP, and other web services
- Provided strong development and project on-track and on-task and collaborated on an ongoing project in both new and enhancements development between engineers, developers, analyst, and other team members.
- Developed and maintained enterprise applications using Java, as well as legacy systems built on Visual Basic 6 (VB6).
- Designed and implemented new features and functionality in Java-based applications, adhering to best practices and coding standards.
- Provided support and maintenance for existing VB6 applications, including bug fixes, performance optimizations, and enhancements.
- Developed Robotic process automation (RPA) development Java Script, RESTful APIs using XML
- Designed and implemented COM+ components to encapsulate business logic and provide seamless integration between legacy and modern systems.

- Worked closely with architects and developers to define COM+ interfaces and contracts, ensuring interoperability and compatibility across distributed components.
- Used VTB to track the Configuration Management Team Board
- Worked closely with business and IT teams to gather input to support ongoing business needs for ServiceNow configuration, implementation, and support.
- Data integration and ETL (Extract, Transform, Load) from any data source to staging tables which consist of raw data, then load clean and formatted data from staging to target tables and do interactive analysis.
- Create workflow and Data Mapping for Business functions Load data from CMDB. Develop custom workflows utilizing modern web technologies.
- Interactive analysis BigFix and ServiceNow to trace data mismatch
- Review and apply any additional UI/UX requirements from external and internal teams and align into ServiceNow development.
- Develop solutions and review code and make documentation available to the team.
- Create ETL processes for BigFix and ServiceNow to integrate, load data, and transform data for BI solutions.
- Document the entire process of design, development, testing, and Implement solutions that integrate with Asset and CI Data. Follow agile processes and GSA best practices.
- Integrated data from multiple data sources into a unified CMDB, ensuring data quality and integrity are maintained.

Environment: Windows 11, Google Cloud, ServiceNow, CMDB, Python 3.8, REST API, JavaScript, jQuery, XML, CSS, HTML, Ajax, DevOps, ITIL

Navy Federal Credit Union - Vienna, VA

Apr 2018 to Feb 2021

Architect

- Design solutions for the CECL (Current Expected Credit Losses) data project
- Identify opportunities to leverage existing models and data sets from different Portfolios (ACAPS - Automated Credit Application Processing System, ALS - Advanced Loan System, RM - Member Records, Black knight Mortgage Servicing Package (MSP) loan portfolio, TSYS - Credit card, CACS - Collections, CAS - Charge Off).
- Design an infrastructure (Hadoop sandbox) that is conducive to changes which contributes to future IRC reporting efficiency.
- Java ALLL models vs new SAS CECL models and load xml file into hive table
- Used XML Schema Definition Tool deserializes the XML the document, corresponding to the XML schema
- Used SoapUI testing tools and execute end-to-end tests on REST, SOAP, and other web services (MemberSearch, FlexAccountView, LifeofLoan)
- Outline steps to align existing qualitative methodology/XML framework to CECL data requirements.
- Concurrent with model development and XML Schema, review of the existing ALLL models.

- Developed Robotic process automation (RPA) development Python, Java, RESTful APIs using XML messaging Queuing services Kafka
- XML, XML schema definition (XSD) / document type definition (DTD)
- Data ingestion processes for IRC UDZ (User Defined Zone) so that the IRC team can keep our own data.
- Load data from files, HDFS (Hadoop Distributed File System), Hive table, and external RDBMS (Relational Database Management System).
- Data integration and ETL (Extract, Transform, Load) from any data source to staging tables which consist of raw data, then load clean and formatted data from staging to target tables and do interactive analysis.
- High performance batch computation and advanced analytics that integrates with reporting tools like Tableau or Power BI - example Credit card fraud detection, event logging and fraud analytics.
- Cloudera Navigator used for track lineage of HDFS files, datasets, and directories, Hive tables and columns, Hive queries, Impala queries, workflows, Spark jobs, and Sqoop jobs.
- Create workflow - based on Spark/Python. Data Mapping for Business functions.
- Load data from source (HDFS, NoSQL, HBase, Real-time source), Transform data (Filter, Clean, Join)
- Interactive analysis (spark-shell) to trace expected losses to the loan level/Portfolio level
- High-level data visualization PowerBI/tableau report to compare CECL to other loss estimates like CC fraud.
- IRC control perspective collect requirements for the CECL project and create the requirements document for CECL Data validation query for CL, REL, and CC Data.
- Develop solutions and review code and make documentation available to the team.
- Create ETL processes to integrate Enterprise data warehouse (EDW), IDZ and UDZ, load data, and transform data for BI solutions.
- Validate the predictive model and data Ingestion process using Spark/Python and Sparklyr.
- All source code added in GitHub version control and add necessary check-in comments in the code repository.
- Document the entire process of design, development, testing, and Implement solutions that integrate with CECL Data. Follow agile process and best practices and NFCU coding practices.
- Requirements Traceability Matrix (RTM) and perform a gap analysis.
- All test results and bug tracking added in JIRA. Migrate into production with appropriate approval of management.

Environment: Python 3.8, Spark 2.3.0, DataFrames, Hive, Hue, Impala, Hadoop, SQL server 2015, VB Script, VB.net, Java, XML, SoapUI 4.5.0, Moarach 10, AutoIt v3, LPS eportal, Director5.1, Tableau 2019, IBM Content Manager eClient, On Demand, ServiceNow, Lotus Domino Designer 8.5

Navy Federal Credit Union - Vienna, VA
Technical Lead

Aug 2013 to Apr 2018

Performed product support management for Mortgage Servicing Package products. Identified Impacted Process Areas, determined business risks & rigor, mapped As-Is & To Be Process, elicited/documentated requirements, developed business change management plan & control plan, performed cost-benefit analysis, and provided UAT support. Ensure technical and functional designs meet business requirements. Analyze and document business requirements. Develop, test, and implement new and enhanced processes. Research new and enhanced technology and/or solutions to improve business automation processes.

- Streamline and standardize grants process at RESS
- Created Complex SSIS Packages to get the data of members from External systems and Other internal databases processed and feed to the Enterprise databases.
- Developed Requirements Traceability Matrix (RTM) and performing a fit/gap analysis
- Great experience that demonstrates an advanced knowledge and understanding of the systems development life cycle (SDLC)
- Used SoapUI testing tools and execute SSIS end-to-end tests on XML REST, SOAP, and other web services (LoanSearch, FlexAccountView, NotesMemoLifeofLoan)
- Gather requirements from end-users, management, and other stakeholders. Create design solutions including data modeling, object modeling, and propose screen designs.
- Analyze existing Database, interacted with client, get requirements, and design / developed the new application
- Participated in the design and implementation of service-oriented architectures (SOA) utilizing COM+ as a key component for service orchestration and management
- Document, Design, Develop and implement solutions that ensure the data integrity of the Black knight Mortgage Servicing Package (MSP) loan portfolio.
- Develop applications to improve a business process using Director, VB6, VB.NET, and Crystal Reports.
- Analyze the existing code Interacted with the client, get the requirements and design Developed functional and technical specifications, project management to leading project teams managed timelines and resource project implementation
- Provided technical expertise and support in troubleshooting and resolving issues related to COM+ components and distributed transactions.
- Document Design, Develop and implement solutions that integrate with of Black knight Web services.
- Development of projects including the creation of project plans.
- Data Mapping Unifi/COBOL Name/Element Name for loan portfolio thru script
- Perform analysis and automation of tasks for report generation.
- Developed Mortgage Systems Automation process like Heloc Payment Shock Script, Mod Negotiator Script, Loan Modification Script, FEL Tax Watch Script, HAMP Reporting Script, Loan Drafting Script, Adverse Action Script, Hamp NPV Script Developed.NET Forms applications for Loan search.
- Amortization/ RateCalculatorXML Lotus Notes script

Ravi Subramaniam



- Script generated based on the HILLPI interface supported by Director 3270 emulators.
- Develop and implement business, requirements, and test procedures.

Environment: Visual Studio.NET 2010 Team System, SQL server 2008, VB Script, VB.net, XML, CSS, XSD, Windows 8, SoapUI 4.5.0, Moarach 10, AutoIt v3, Black knight eportal, MSP, Director5.1, WebFocus 77 Reporting Developer, IBM Content Manager eClient, On-Demand, Lotus Domino Designer 8.5

Navy Federal Credit Union - Vienna, VA

Apr 2013 to Aug 2013

Enterprise Architecture/Programmer Analyst

Enterprise Architecture Design (ETD) Project

- Design, Develop and Implement enterprise-wide solution that ensures the data integration in SharePoint
- Gather requirements from end-users, management, and Business analysts.
- Design solutions including data modeling, object modeling, and propose screen designs.
- Analyze existing various databases, interacted with client, fine-tune the requirements and design / developed the new application that automates EA Portal and Black knight Mortgage Servicing Package (MSP) loan portfolio
- Development of projects including the creation of project plans.
- Create complex stored procedures, views, and functions as well as query, extract, and update data in SQL Server 2012.
- Developed ASP.NET WebForms applications that interact dynamic rendering with SharePoint
- Developed Enterprise-wide application that searches against EA Repository
- Data Mapping for Business functions /Application Portal
- Admin EA Web Portal, code migration
- Perform analysis and automation of tasks for report generation.
- Develop and implement business, requirements, and test procedures.

Environment: Visual Studio.NET 2010, SQL server 2012, VB.net, XML, CSS, Windows 2008 server, IIS 7.5, SharePoint 2010

Zillion Tech - Navy Federal Credit Union - Vienna, VA

July 2012 to Apr 2013

Sr Programmer/Systems Analyst

- Document, Design, Develop and implement solutions that ensure the data integrity of Black knight Mortgage Servicing Package (MSP) loan portfolio.
- Document Design, Develop and implement solutions that integrate with of Black knight Web services.
- Development of projects including the creation of project plans.

- Gather requirements from end-users, management, and other stakeholders. Create design solutions including data modeling, object modeling, and propose screen designs.
- Analyze existing Database, interacted with client, get requirements, and design / developed the new application
- Developed the Web Services applications for Loan search.
- Data Mapping COBOL Name/Element Name for loan portfolio thru script
- Perform analysis and automation of tasks for report generation.
- Developed Mortgage Systems Automation scripts like Heloc Payment Shock Script, Mod Negotiator Script, Loan Modification Script, FEL Tax Watch Script, HAMP Reporting Script, Loan Drafting Script, Adverse Action Script, Hamp NPV Script
- Amortization/ RateCalculatorXML Lotus Notes script
- Script generated based on the HILLPI interface supported by Black knight
- Director 3270 emulators.
- Develop and implement business, requirements, and test procedures.

Environment: Visual Studio.NET 2008 Team System, SQL server 2008, VB Script, VB.net, XML, CSS, XSD, Windows XP, SoapUI 4.5.0, Moarach 10, Autolt v3, Black knight eportal, Director5.1, WebFocus 77 Reporting Developer, IBM Content Manager eClient, On Demand, Lotus Domino Designer 8.5

ConEdision - New York, NY
Sr Programmer/ETL Analyst
Yard Time Monitoring System (YTMS)

Dec 2010 to Jun 2012

- Design and develop the Yard Time Monitoring System (YTMS) to provide weekly static's of field crews spend in the yard
- Gather requirements from end-users, management, and other stakeholders. Create design solutions including data modeling, object modeling, and propose screen designs.
- Worked in Worked AjaxControlToolkit/ScriptManager/UpdatePanel for validation
- Development of projects including the creation of project plans.
- Analyze existing Database, interacted with client, get requirements, and design / developed the new application
- Create complex stored procedures, views, and functions, extract and update data in SQL Server 2008.
- Developed PHP applications, Line Chart developed by Telerik Controls
- Created Complex SSIS Packages to get the Geofence GPS data of Vehicles from External Avail Database and Other internal databases processed and feed to the Yard database.
- Created Data Flow The task to Extract and Transform data From Staging tables to Base Tables
- Perform analysis and consolidation of data from multiple databases and automation of tasks for report generation.

- Reports Developed can be open on Web page and Export to Excel
- Used Team Foundation Server 2008 for the Build process and Source control.

Environment: SQL server 2008, PHP, jQuery, Java, XML, CSS, SQL Server Integration Services 2008, XSD, AJAX, JavaScript, Windows XP, Team Foundation Server 2008

Project One Financial Information System

Project One is a Major financial Information System of ConEd, O&R started in the beginning of to gather all financial data into one single global repository, which will be accessible to the global finance team.

- Hyperion Planning is a budgeting and forecasting tool used by the accountants, financial analysts and managers of CECONY and O&R for corporate planning. The corporate planning the process involves the annual preparation of a five-year Capital and Operational & Maintenance (O&M) plan.
- Gathering Requirements as part of new interface added to the projects and lead, mentor other Junior Developers
- Adept in end-to-end development of ETL phase and Reporting phase from the requirement analysis to system study, designing
- Defined, Developed and implemented Extract, Transformation and Load (ETL) processes, programs and scripts using a structured software development method.
- remove duplicates, run logic tests to assign values to complete budget data files or replace current values with values required by the vendor upload specifications
- Auditing data files to quickly identify problem areas – duplicate rows, incorrect data formats etc.
- building and executing test plans for migrated data
- Designed and Developed SSIS package and interfaces Phase 1 Hyperion Planning (HP) project involved integrating HP with CECONY's FDA and O&R's Walker systems.
- Designed and Developed SSIS package and interfaces Phase 2 consist of integrating HP with the new Business Intelligence (BI) warehouse.
- The BI-to-Hyperion effort consists of modifying the existing SSIS package as well as creating/modifying HP interfaces as needed to get Hyperion Planning - for Budgeting and forecasting data
- Hyperion Financial Management - external reporting Monitor and track completion of tasks within deadlines
- Steered the code review and automation of Code deployment and migration team
- Remove duplicates, run logic tests (VB Script) to assign values to complete budget data files or replace current values with values required by the vendor upload specifications
- Auditing data files to quickly identify problem areas – duplicate rows, incorrect data formats etc.
- building and executing test plans for migrated data
- Designed and developed several complex Mappings and Reusable Transformations

Ravi Subramaniam



Environment: Team System, SQL server 2008, PHP, jQuery, XML, SQL Server Integration Services 2008, Oracle Hyperion Planning 11g, Hyperion Financial Management, Oracle 11g, Windows XP, Team Foundation Server 2008

GSA Northeast & Caribbean Region - New York, NY **Sr Programmer/Analyst**

May 2010 to Nov 2010

- Continuity of Operations & Contingency Plan (COOP) is mainly for establishes procedure and guidance to ensure a speedy recovery of Information Technology functions for GSA Northeast & Caribbean Region in the event that an emergency in New York City threatens or incapacitates Systems Operations
- Maintain and develop enhancements for the application using the PHP development environment
- Gather requirements from end-users, management, and other stakeholders. Create a design solution including data modeling, object modeling and propose screen designs.
- Worked heavily on web-frontend development interfacing with a SOA driven app-server layer complies with Section 508 Accessibility requirements.
- Worked in Worked AjaxControlToolkit/ScriptManager/UpdatePanel for validation
- Worked in cross-browser JavaScript/ jQuery JavaScript Library v1.4.1
- Manage the development of projects including the creation of project plans.
- Analyze existing code, interacted with client, get requirements, and design / developed the new application
- Create and modify complex stored procedures, triggers, views, and functions as well as query, extract and update data in Oracle 11g.
- Performance and load tests on applications Parking/COOP/PTW and identify ways to improve code.
- Bar Chart, Bubble Chart, Cylinder Bar Chart, Pie Chart developed by Infragistics
- Converting/migrating/integrating Office 2007 products and VBA Excel Macro's to perform analytics and consolidation of data from multiple datasets and automation of tasks for report generation.
- SQL Reporting Services web apps, Excel charting using PHP;
- Used Team Foundation Server 2010 for the Build process and Source control.

Environment: Visual Studio.NET 2010 Ultimate, SQL server 2008, PHP, Java, XML XAML, XSD, XSLT/ Xpath, AJAX, JQuery, Windows XP, Team Foundation Server 2010, Oracle 11g

Bio Informatics -National Marrow Donor Program, MN **Sr Programmer/Analyst**

May 2009 to Apr 2010

- Formsnet application is mainly for global Search for patients and matches the Donor and Recipient information's and supports stem cell Therapy research.
- Analyze existing code, interacted with client, get requirements, and design / developed the new application Guide, mentor other team members

- Windows Communication Foundation (WCF) to build connected, distributed, and service-oriented applications;
- Windows Presentation Foundation (WPF 3.5) for next-gen Windows;
- Expression Blend to design XAML-based UIs, and deliver compelling experiences to the web, desktop clients;
- Sip Listener WCF service integrated into the existing application based on business rules and logistical constraints.
- MQ client installed in order to use RFH Utility webservice for message browsing
- Create and modify complex stored procedures, triggers, views, and functions as well as query, extract and update data in Oracle 10g.
- Used XML Schema Definition Tool deserializes the XML the document, correspond to the XML schema
- Developed Xpath Queries to transform Data to Reports/Configured Messages via LDAP
- In WPF Created the Application Code Files (XAML)/Added Layout, Controls, Image, and Title/Added Code to Handle Events then bind style and data
- Created Master pages and used WPF templates of the DevExpress –DXGrid
- Unit testing by Nunit which give Test-Driven development.
- Worked in Agile methodology projects. Used Cruise Control for the Build process.
- Developed projects that fall under the jurisdiction of the Clinical trials (FDA) quality System Regulation
- Rational RequisitePro and Developed Software Requirement Specifications (SRS) and Test specifications (STS).
- Design and develop the Sip Listener scheduling engine to communicate to IBM Message Queue

Environment: SQL server 2005, PHP, Perl script, XAML, XML, XSD, jQuery, XSLT/Xpath 1.0, ADO.NET, IBM.XMS, IBM Message Service client for .Net 12.0, Windows XP, Sybase central 4.0, Visual SourceSafe 2005, Crystal Reports 11, Oracle 10g

Wells Fargo (RCIS), Anoka, MN Sr Programmer/Analyst

Aug 2008 to May 2009

- CIMax software provides the electronic book of business for a crop insurance agency, and computer-based tools for servicing policyholders which is exclusively available to RCIS agents.
- Developed product road maps, technology strategies, reengineered workflow, defined product requirements created change control/risk assertion processes & enhanced risk management.
- Performed data analysis, project portfolio scoring & aligned plan view projects to key risk themes
- Calculate and track Quotes, APH records, Acreage Reports, and Notices of Loss Enter and revise crop insurance documents /Track both MPCl and crop hail policyholder information
- EDI Windows Services for the electronic transmission of data between agent office and RCIS Download updated actuarial from RMA

- SoftwareFX Chart controls for web-based data visualization
- Worked in migration of 32-bit and 64-bit operating system Virtual Machine Hosting Environments and setting up for Infragistics controls/Charts.
- Data-centric WPF apps for Windows-based data visualization;
- Data entry web applications, with LINQ to SQL CRUD operations;
- Write automated testing script that Verify Win32 and .NET applications
- Worked on Different Projects Concurrently (Cimax/CyFyi) conversion PHP and new Redesign C#
- Write Complex SQL procedures/Triggers/views to retrieve data from DB2/Sybase/SQL Server 2005
- Worked in templates (WPF) of Infragistics to present the Excel Charting
- Worked Silverlight v3 to build Field Mapping that gives the ability to do map-based acreage reporting in CIMax Acreage Report module
- Unit testing by NUnit which give Test-Driven development. Used VSS for code merging, maintenance, and Used Mercury Quality Center for variance tracking.
- Ability to analyze systems and architect solutions with clear designs. Worked in Agile and Waterfall methodology projects.
- Converting/migrating/integrating products and VBA Excel Macro's to perform analytics and consolidation of data from multiple datasets and automation of tasks for report generation
- Created Web part class control with Microsoft Office SharePoint Server 2007

Environment: Agile Advantage 2006, Visual Studio.NET 2005/2008, Silverlight v3, PHP, WCF & WPF, XAM, SQL server 2005, XML, XSD, XSLT/Xpath 1.0, JavaScript, HTML, ADO.NET, Windows XP, Razor SQL 4.2.8, Sybase central 4.0, iSeries Access for Windows V5R4M0, AS400 ,com.ibm.db2.jcc.DB2Driver, Mercury Quality Center 8.2, Infragistics Netadvantage 8.2 , Crystal Reports 11

Enteromedics, St Paul, MN **Sr Programmer/Analyst**

Nov 2006 to July 2008

The Clinician Programmer (CP) to be used in the second-generation Rechargeable Maestro™ Obesity Management System (RC-US) Implantable System for the Treatment for Obesity, VBLOC Therapy delivers high frequency, low energy electrical signals through laparoscopically implanted leads to block vagal nerve transmission.

- Developed projects that fall under the jurisdiction of the FDA Quality System Regulation
- Using Rational RequisitePro Developed Software Requirement Specifications (SRS) and Test specifications (STS)-Traceability between Software Requirement and Test Requirement
- Analyze the existing code Interacted with the client, get the requirements and design / developed the new application. Write an automated testing script that Verify Win32 and .NET applications
- Read and Write messages to a medical device which has Boot loader and Firmware

- Developed configuration XML view component using .NET framework 3.0, C#, XML, XSD, Visual Studio.NET, HTML, JavaScript, ADO.NET
- Configured, deployed, and maintained the WCC ELISE Application Suite, a comprehensive enterprise document management system, to meet organizational requirements
- Managed user access and permissions within the ELISE Application Suite, ensuring proper authentication and authorization controls
- worked Rich client third-party control sets and tools Web 2.0 UI apps and integrated in Visual Studio such as those from Telerik Rad Controls
- Developed smart client windows application using WPF/XAML also contains a customization window which would allow loading custom skins and configuring
- Worked with clinical trials data Upload and Download, Import and Export and Data Synchronization
- Worked Different Projects Concurrently (RF2 system/RC1 system/RC2 System) Write Complex TSQL procedures/Triggers/views to retrieve clinical trials data from SQL server 2005
- Created Script /XML to automate the testing of Firmware for medical devices
- Created Web parts for Team SharePoint Web Site to configure the Project flow/InfoPath 2003 template
- Developed Xpath Queries to transform Data to Reports based on SOA standards
- Used Vault for code merging, maintenance, and Used Dragnet for variance tracking.
- Converted existing reports to Crystal Reports based Report Definition Language (RDL) Verified Huge Logs transformed from the device into Database
- Used Click once for Build process and deployment.

Environment: Rational RequisitePro 2003, Agile Advantage 2006, Visual Studio.NET 2005, ASP.NET, C#, WCF, SQL server 2005, XML, XSD, XSLT/Xpath 1.0, JavaScript, HTML, ADO.NET, Dragnet (Source Gear), Vault, MS Access 2003, Windows XP

Japs-Olson Company, St. Louis Park, MN **Sr Programmer/Analyst**

Jul 2006 to Nov 2006

- Involved in Analysis, System Study, Development, Testing, and Implementation & Migration of JO Confirm/Planet Code application. The Post Office (USPS) scans the confirm bar code at a facility, Confirm/Planet Code Application FTP the Data and confirm data tracks the scanning of individual mail pieces, Customer can track the Orders,
- Also worked in Vendor menu application Conversion from VB/DOS to VB.net
- Analyze the existing code Interacted with the client, get the requirements and design Developed functional and technical specifications, use cases/class diagrams developed the new application
- Worked Different Projects Concurrently (Vendor menu application Conversion from VB/DOS to VB.net)
- Write Complex TSQL procedures/Triggers/views to retrieve data from SQL server 2005

- Developed DTS packages under legacy on JOConfirm in SQL Management Studio that Does monthly process and hourly process
- Using POSTScript created a common solution to Bypass Printer driver, prints the Label Program in any Printer.
- Created many XSLT style sheet From XML DATA to generate Excel Report Developed Xpath Queries to transform Data to Reports
- Developed services in C# that watch the FTP root and process the file and insert record in the Database and move the files to Archive
- Ajax application that uses C# library to return JSON from the server (directly access the object in JavaScript from the response, with properties identical to the object class structure on the server)
- ASP.NET directly with the runtime to enable Web Forms applications and XML Web services
- Migrate the application From Windows 2000 to Windows 2003/ Used VSS for code merging, maintenance and variance tracking
- Explored in IIS performance tuning tools: System Monitor, Application Center Test, and Log Manager to gather baseline performance information about IIS Webserver

Environment: Visual Studio.NET 2005, ASP.NET 2.0, VB.net, SQL server 2005, IBM Lotus Notes, XML, XSD, XSLT/Xpath 1.0, JavaScript, JSON,AJAX,HTML, ADO.NET, Infragistics, Visual Source safe, VB-DOS, Enterprise Architect 5.0, MS Access 2003, Crystal Reports 8.0, Windows 2003

General Mills, Minneapolis, MN **Sr. Programmer/Analyst**

March 2006 to June 2006

Involved in Analysis, System Study, Development, Testing, Implementation & maintenance (SDLC) for IS Demand Trade Systems. Account Fund Status/Fund Balances/Rollback Reports Shows Authorized, Planned, Remaining, and Total Spent fund information. Also shows the dollars spent by Fund description for each trade category and division. Also provide current Rollback totals by Year, Trade Category and Zone, Region or Account

- Developed configuration pivot view component using .NET framework, Visual Studio.NET IDE, VB.net, C#, XML, XSD, Visual Studio.NET, HTML, JavaScript, ADO.NET
- Write Complex PL-SQL procedures/Triggers/views to retrieve data from Oracle
- Created common solution contains any common XSLT files to be used throughout Trade Reporting.
- Created XSLT style sheet From XML to generate Excel macros, Report/ Xpath Queries to transform Data to Reports
- Converted spreadsheet type profit or loss reports with multiple links into reports using Business Objects
- Developed custom component for WebForms Transaction Monitor Sales Order/ Purchase Order EDI 855/856/and 850.ASP.NET directly with the runtime to enable Web Forms and XML Web services
- Explored in IIS performance tuning tools: System Monitor, Application Center Test, and Log Manager to gather baseline performance information about IIS Webserver

Ravi Subramaniam



- Developed the custom validation engine for EDI Applications which were user-customizable and driven by XML configuration files. Used VSS for code merging, maintenance and variance tracking.

Environment: ASP.NET, VB.net, C#, Oracle 9i, XML, XSD, XSLT/Xpath 1.0, JavaScript, HTML, Visual Studio.NET IDE, ADO.NET, Infragistics, Windows SharePoint, Visual Source safe, Enterprise Architect 5.0, MS Access 2003, Crystal Enterprise, Crystal Reports 8.0, Windows

YFLY.COM, Minneapolis, MN **Sr Programmer/Analyst**

Nov 2005 to Feb 2006

- Created Use case diagrams, Interaction diagrams, and collaborations diagrams by Visio 2003
- Developed functional and technical specifications/ Analysis, Design, Development, and Implementation
- Worked in DotNetNuke, is an Open-Source Framework ideal for creating and maintaining professional Web Applications /SQL procedures to retrieve data from SQL Server
- Developed configuration pivot view component using .NET framework, Visual Studio.NET IDE, VB.net, C#, XML, XSD, Visual Studio.NET, HTML, JavaScript, ADO.NET
- ASP.NET directly with the runtime to enable Web Forms applications and XML Web services
- Responsible for Developing SharePoint services for Teamsite content management and workspace integrate with .Net framework.
- Explored in IIS performance tuning tools: System Monitor, Application Center Test, and Log Manager to gather baseline performance information about IIS Webserver

Environment: ASP.NET, VB.net, C#, DotNetNuke 4.0.0, SQL Server 2000, T-SQL, XML, XSD, JavaScript, HTML, Visual Studio.NET IDE, ADO.NET, SharePoint Portal Server 2003, MS Access 2003, Crystal Reports 8.0, Windows

SIEMENS, Minneapolis, MN **Sr. Programmer/Analyst**

Nov 2004 to Oct 2005

- Involved in Analysis, System Study, Development, Testing, Implementation & maintenance (SDLC) and release of Siemens PowerCC 4.1 suite of web-based products including Siemens SDK and Scheduling Applications.
- Created Use case diagrams, Interaction diagrams, and collaborations diagrams by UML and Rational Rose.
- Developed configuration pivot view component using .NET framework, Visual Studio.NET IDE, VB.net, C#, XML, XSD, Visual Studio.NET, HTML, JavaScript, ADO.NET
- By using XSLT/Xpath 1.0 Generated reports Performance Tuning in Oracle PL/SQL procedures to retrieve data from Oracle
- Design Developed Program (AZ, GSK) class using abstract design pattern. Developed custom component for COP for charting and data interface through System Development Kit.

- ASP.NET directly with the runtime to enable Web Forms applications and XML Web services
- Developed SharePoint services for Teamsite and eProcess, Image Services, Content Services of FileNet P8 Suite with .Net framework.
- Explored in IIS performance tuning tools: System Monitor, Application Center Test, and Log Manager to gather baseline performance information about IIS Webserver
- Developed the custom validation engine for Scheduling Applications which were user customizable and driven by XML configuration files.
- Used IBM Rational ClearCase and ClearQuest for code merging, maintenance, and variance tracking.
- Responsible for variance fixes for Current Operating Plan and Scheduling Applications.

Environment: ASP.NET, VB.net, C#, SQL Plus, Oracle 9i, PL/SQL, XML, XSD, XSLT/Xpath 1.0, Java script, HTML, Visual Studio.NET IDE, ADO.NET, Windows SharePoint, FileNet P8 Platform Suite for Energy, FileNet P8 Suite for Energy, IBM Rational Clear Case/ Clear Quest, , MS Access 2003 ,Crystal Reports 8.0

ROLLINS HEALTH CARE DATA SYSTEMS, MI **Sr. Programmer/Analyst**

June 2002 – Oct 2004

ADVOCARE (HEALTH CARE SYSTEMS include a number of integrated modules designed specifically for automating health care offices with HIPPA complaint needed to reduce costs and facilitate patient care.

- ANSI 837/835, HCFA1500 Expert - Developed functional and technical specifications
- Rational Unified Process (RUP) including modeling the business requirements with Rational Rose
- As a Senior Developer, responsible for interacting with the client, explaining requirements to the HIPPA Standard other Developers and updating Project Managers.
- Created Use case diagrams, Interaction diagrams, collaborations diagrams by UML/ Rational Rose.
- Used Rational RequisitePro for defining, gathering, and tracking the values, attributes and traceability links between Requirements Use Cases, and Business Rules
- Design Developed Program (AZ, GSK) class using abstract design pattern. Developed C# code behind file/Developed Win forms for client/server module
- ASP.NET directly with the runtime to enable Web Forms applications and XML Web services
- Automate routines that extract, transform, and load data from heterogeneous sources (DTS)
- Used ADO.NET Created COM & PL/SQL procedures to retrieve data from Oracle
- The physical meta-model, derived from the UML semantics' logical meta-model, contains modifications to support the generation of IDL and XMLDTD (e.g., converting association classes to classes)
- Involved in developing ASP.net pages, coding and testing. Project Management with Microsoft Project 2000/Performed user and system testing using Mercury Interactive Tools

ENVIRONMENT: ASP.net, VB.net, MS-VBA, C#, COM/DCOM/COM+, WSDL, UML 1.3, HTML, XML, XSL, XSLT, MS VISUAL studio .Net, ADO.NET, (IIS), SOAP 1.1, HTTP, Rational XDE 2002, MS-Project 4.1,

Ravi Subramaniam



Crystal Enterprise, Microsoft Project 2000, Crystal Reports 8.0, Oracle 9i, SQL SERVER 2000, Transact-SQL, MS Access 2003, Windows 2000

FORD-IBM Global Services, MI
Sr. Programmer/Analyst

Aug 2000 – June 2002

F@ST-Business plan provides common global practices; facilitate more informed and faster decision making, eliminate NVA (non-value added) work, supports the new Business Plan Process for FORD MOTOR COMPANY.

- Rational Unified Process (RUP) including modeling the business requirements with Rational Rose
- Created Use case diagrams, Interaction diagrams, and collaborations diagrams by UML and Rational Rose. System study, Analysis, Design, Development, and Implementation
- Used RequisitePro for defining, gathering, and tracking the values, attributes and traceability links between Requirements Use Cases, and Business Rules/Developed flowcharts using Visio.
- Performance enhancement with VB-COM /Implemented the ActiveX Technology to create DLLs.
- ASP.NET directly with the runtime to enable Web Forms applications and XML Web services
- Created COM & PL/SQL procedures to retrieve data from Oracle Created all sheets of the workbook VBA. Supported SOAP protocol and HTTP protocol. Used TCP/IP & SSL to communicate with the other objects. Implement the Job Queue Functionality by IBM MQ Series
- The physical meta-model, derived from UML semantics logical meta model contains modifications to support the generation of IDL and XML DTD (e.g., converting association classes to classes)
- J.D. Edwards Pre-set Extended Business Processes (XBPs) for Internal and External Collaboration
- Used Rational Soda to provide the model reports and requirement traceability reports
- Created more than 48 Crystal Reports, T-SQL procedures to retrieve data from SQL SERVER.
- Involved in developing ASP.net pages, C# functions and Java Script functions and testing.
- Performed user and system testing using Mercury Interactive Tools

ENVIRONMENT: ASP/ASP.net, VB.net, C#, COM/DCOM/COM+, UML 1.3, HTML, XML, XSL, XSLT, MS VISUAL INTERDEV 6.0, Dream weaver 4, Java Script 1.2, SOAP 1.1, HTTP, CSS, Visio 4.0, MS-Project 4.1, Cold Fusion 5, Crystal Reports 8.0, Active Reports 2.0, Oracle 8i, Sybase10.x, SQL SERVER 2000, Transact-SQL, MS Access 2000, IBM MQ Series, Unix, Windows CE 2.0 Palm-size PC, Windows CE .NET

Kovai Team, India
Software Engineer

May1995 – July 2000

Contact Relationship Management

- Implemented the VB Script -ActiveX Technology to create ActiveX Controls, DLLs, and EXEs.
- Used the ADO (Active Data Objects), System study, Analysis, Design, and Implementation

Ravi Subramaniam



- Involved in developing ASP pages, coding, and testing.

ENVIRONMENT: ASP, VISUAL BASIC 6.0, COM/DCOM, VBSCRIPT, CSS, Crystal Enterprise, Crystal Reports 6.0, JAVASCRIPT, HTML, XML, Excel, MS Visual Studio 6.0, MS VISUAL InterDev 6.0, MS Transaction Server (MTS), Oracle 8 and Windows NT 4.0

Lifeline Information System

- Implemented the ActiveX Technology to create ActiveX Controls, DLLs, EXEs
- Used the MDAC -ADO (Active Data Objects), Involved in developing ASP pages, coding, and testing.

ENVIRONMENT: VISUAL BASIC 6.0, VBSCRIPT, COLDFUSION, JAVASCRIPT, HTML, Prime Account, Crystal Reports 6.0, VISUAL InterDev 6.0, Visual Source Safe, Internet Information Server (IIS), MTS, SQL SERVER 6.5, and Windows NT 4.0

Human Resource Management System

- Involved in developing screens, coding, and testing. Used data-bound controls. Used Oracle Tools

ENVIRONMENT: Oracle Forms 4.5, Oracle 7.0, Visual Source Safe, MS-Access and Windows 95

Inventory Control System

- Involved in developing screens, coding, and testing. Used data-bound controls.

ENVIRONMENT: Visual basic 3.0, MS-Access AND WINDOWS 95

Marketing Information System

- Involved in developing screens, coding, and testing. Used data-bound controls.

ENVIRONMENT: Visual basic 3.0, MS-Access and Windows 95



Summary:

- Over 18+ years of compound experience in IT, SQL Server Database Architect/DBA with a proven track record of team leadership and technical skills, who has the ability to work on multiple highly visible projects, is a creative problem solver Exceptional background in analysis, design, development, customization, and implementation and testing of software applications products
- Expertise in MS-SQL Server Development and Administration including Design and implementation Of Distributed/ Replicated Databases, implementing backup/ recovery strategies, and Performance tuning.
- Designing, testing and implementation of high availability solutions like Clustering, Database Mirroring, Log Shipping, and Replication of databases for large, medium and small customers to further increase scalability and stability of business-critical systems.
- Experience in data migration from existing databases to remote data centers. Intensive experience in monitoring/tuning SQL Server and database performance using SQL Profiler, Index Tuning Wizard and Windows Performance Monitor.
- Experienced with deployments, Maintenance and troubleshooting applications on Microsoft Cloud infrastructure Azure.
- Developed datasets using T-SQL and crafted stored procedures specifically for SSRS.
- Cloud/Azure experience includes Azure Services, PaaS, IaaS, and Migrated from premises databases and Legacy databases to Azure, deployed products on Azure, Setup development and test environment on Azure
- Working with Azure SQL Databases for Excel and Power BI Reporting Tools Working with OMS for Log Analysis and Threat Detections. Database / Server Perfmon Counters
- Good at recent SQL Server features like Policy Based Management, Data Compression, Resource Governor, Performance Data Collector and Transparent Data Encryption TDE
- Experience in identifying the I/O and memory, bottle necks, blocking and deadlocks caused by complex queries using SQL Server Activity monitor/profiler and handling them by implementing better Query Execution plans.
- Expertise in developing drill-through, drilldown reports Reporting Services (SSRS),
- Experience in working with 24/7 production Environment with thorough understanding of Standard Operation Procedures (SOP) and Service Level Agreements (SLA).
- Expert in using different Transformation tools like SSIS, DTS packages, BCP, DTEXEC and BULKINSERT. Involved in design and development of DTS and SSIS packages to load and process the data from Oracle, Excel, Access, and flat file feeds to SQL Server and vice versa.
- Sufficient hands-on experience in HA DR High Availability Disaster Recovery techniques like Log Shipping, Mirroring High safety High performance, Replication Snapshot Transactional and Clustering Active - Passive and Active- Active.
- Experience in Analysis Services SSAS OLAP Cubes, Star Schema and Snowflake Schema, ETL and Data Warehousing. Experience in performance tuning of very complex SQL statements and procedures using show plan. Expert in performing database consistency checks and planning and scheduling, Backup & Recovery.
- Maintained database consistency with DBCC, DMV and DMF's at regular intervals.
- Worked with Third party tools IDERA, REDGATE, TOAD, Lite Speed, Commvault, Quest Tools and Fog light. Having good experience in daily database maintenance and administrative tasks like Space issues, transaction log file size growth, connectivity issues and regular monitoring of SQL Server error logs and Windows event viewer.
- Experience in automation of administrative tasks like creating maintenance plans, creating Jobs, Alerts using SQL Server agent and monitoring and troubleshooting the jobs.

Technical Skills

- Agile, Scrum, Lean, Kanban, SDLC life cycles
- JIRA, Confluence, Bitbucket, Bamboo
- AWS – IAM, S3, EC2, CloudFormation, DynamoDB
- MS SQL Server
- STS, WebStorm, VS Code, Quality Center, ALM, SPIRA, Cucumber, Selenium, Cypress, Protractor, Microsoft Office 365 Suite - Project, Excel, Word, PowerPoint
- Oracle Apps, Siebel CRM, MS Dynamics,

6.5/7.0/2000/2005/2008R2/2012/2016/2019,
Oracle 9i/10g, Oracle11i, MS Access
95/97/2000/2010.

- PagerDuty, ServiceNow, SailPoint, Splunk, Honeycomb, Grafana, SonarQube
- C, C++, Linux, Java, SQL, PL/SQL, Oracle, Type Script, Angular, Microsoft SQL Server administration, UI/UX – FIGMA, HTML, XML, JSON, REST API's, Postman, Swagger

Mainframes,

- Health Care, Clinical Research, Health Insurance, Financial, Retail, Android, iOS
- Windows Enterprise 2012/2008 Advanced Server/2012 Server/Windows 2012 Professional/Windows XP Professional/NT 4.0 Server
- SSRS 2005/2008/2012, Cognos Tools, Crystal Reports 9.0, Microsoft Excel 2007

Certifications

- Professional Scrum Product Owner™ I ([PSPO I](#))
- Professional Scrum Master™ I ([PSM I](#))
- SAFe® 6 Scrum Master ([SSM](#))
- Appraisal Team Member for CMMi Level-3
- Certified Auditor for CMMi & ISO Processes

Education

- Master of Computer applications from Acharya Nagarjuna University, AP, India. 2004
- Bachelor's degree in Computer Applications from Acharya Nagarjuna University, AP, India. 2001

Technical Experience

Client: Vanguard

Team size	30 (4 Teams) – Onsite & Offshore
Role	Technical Architect
Duration	Mar 2021 – Jan 2024

Responsibilities:

- Maintained, administered and developed MY SQL database applications by using MySQL Enterprise Monitor tools, MySQL Enterprise Backup, MySQL Workbench, MySQL Master High Availability (MHA) and MySQL Replication (Master-Slave, Master-Master set) including developing backup and replication solutions.
- Assisted with database upgrades from SQL server 2000 and SQL Server 2005 to SQL server 2008.
- Implemented and supported SQL server 2008 database security structure and encryption by creating database encryption keys and by using full database-level encryption by using TDE (Transparent data encryption).
- Assisted with database security patching that include Service pack 1 and other patches.
- Assisted with database server Operating Windows 2003/2008 System patching
- Assisted with database migrations from server to server that includes also stored procedures upgrades and with database consolidation (possible in conjunction with upgrades)
- Monitored web server performance and uptime using IIS Manager and third-party monitoring tools, diagnosing and resolving issues to minimize downtime and service disruptions.
- Managed website hosting, SSL certificate management, and URL rewriting configurations to ensure secure and efficient web server operation.
- Ensured performance is maintained after upgrades and patches by rebuilding indexes and by creating statistical indexes.
- Created tabular and matrix reports in SSRS. Wrote stored procedures and functions to create SSRS reports.
- Used SQL server Performance Tuning analyzer and performance monitor analyzer for database health checks and performance tuning of 6 large SQL Server systems.
- Used Business intelligence (BI) in SharePoint 2010/2013 to integrate across Microsoft Office including Excel 2010 and to create Dashboards.
- Developing dimensional and analytical data models specific to data warehouses/data marts (was using DB2 and SQL server 2005 analyzing services).

- Created dimension maps and multidimensional cubes using Impromptu's Query Definition in PowerPlay Transformer.
- implemented and supported SQL Server Clustering, so when one SQL server database has an issue, it will automatically fail over to other SQL Server database, so availability for 24/7 per week.
- Developed data mining, and pattern recognition by using SQL server 2005/2008 data mining tools.
- Developed and tested business intelligence scorecards.
- Performed data modeling, data analysis, data conversion, and data migration in a SQL Server and Oracle environment by using TOAD software, SSIS packages, OLAP services, ERWIN, and RED Gate tools
- Extracted, transformed and loading data with MS SQL Server 2008 SQL Server Integration Services (SSIS) and SQL server 2008 DTS packages in order to convert data from different SQL server databases and Oracle databases to SQL server database.
- Developed cubes, SQL queries, T-SQL (transactional) scripts, stored procedures and SQL functions, tables, views and tables in both Sybase and SQL server environment
- Designed and developed data conversion processes and scripts including writing diagrams and processes using SSIS and SQL server 2008 DTS packages services.
- Designed and developed data warehouse and data marts by using specific data conversion processes and scripts.
- Used MS SQL Server 2008 SQL Server Integration Services (SSIS) and SQL server 2008 DTS packages to load new data to production SQL server databases on the weekend by using SQL agents for scheduling stored procedures, TSQL and SSIS objects.
- Developed dimensional modeling solutions by created SQL Server 2008 data marts that extract the most important data from many databases sources and give dimensional business intelligence solutions.
- Used SQL Server Integration Services (SSIS) and DTS packages for Microsoft SQL Server 2008 and 2008 in the Standard and Enterprise editions; utilized the Integration Services for providing a platform to build data integration and workflow applications. The primary use for SSIS was data warehousing for data extraction, transformation, and loading (ETL). Also used this tool to automate maintenance of SQL Server databases and update multidimensional cube data.
- Created reports using SQL server 2008 R2 Microsoft Reporting Services Reports and leveraging 3rd party components and controls by using DUNDAS components. Migrated databases including data from various data source to Sybase 15 and migrated databases from SQL server 2000 to SQL server 2008. Prepared strategies and developed automated SSIS packages that would prepare data and databases to be migrated.
- Created and deployed automated deployment projects in Visual Studio 2008.
- Performed lead role to tune and improve performances for every SQL Database.
- Installed and upgraded the 2008 Microsoft SQL server 2005 and versions of Microsoft SQL Server 2008 including Analysis Services and Reporting Services.
- Installed and upgraded SQL Server in a Microsoft Cluster environment (Win 2008)
- Built a Monitoring Solution for SQL Servers Performance Issues by using SQL profiler tool
- Troubleshooting Database and Database Server Performance Issues by using SQL Server Queries to analyze a Profiler Trace.

Team size	50 (6 Teams) – Onsite & Offshore
Role	Technical Database Architect
Duration	May 2019 – Mar 2021

Responsibilities:

- Designed and developed Web pages based on Service Oriented Architecture (SOA) and Micro Services by using ASP.NET, DevOps, C#.NET, WPF, WCF, WCAG 2.0, Git, Docker containers, C,

C++, C#, Ruby, JavaScript, HTML5, CSS3, WET Toolkit, Agile Scrum methodology, Angular, HTML5 and CSS3, SASS/SCSS, C#, SQL Server, .NET framework 4.5, Oracle, SQL Server, JSON, Restful Web services techniques internally with OOAD (Object Oriented Analysis and Design) in web-based IM/IT development environments.

- Used Front-End development technologies and libraries, including HTML5, CSS, native JavaScript, jQuery, and Bootstrap and building the RESTful API.
- Explore data in a variety of ways and across multiple visualizations using Power BI
- Used Power BI Gateways to keep the dashboards and reports up to date.
- Installed and Configured Enterprise Gateway and Personal Gateway in Power BI Services.
- Created custom reports and forms by using Oracle SQL, XSL, XML, and JavaScript.
- Developed and wrote SQL scripts, SSAS cubes, SQL queries, optimized queries and T-SQL queries, stored procedures and functions, tables, views and tables in SQL server 2014 environment.
- Created SQL Server 2014 Database and Database Objects like Tables, Stored Procedures, Views, Triggers, Rules, Defaults, user defined data types and functions.
- Developed SSRS, Cognos Reports and Crystal Reports.
- Developed a detail plan and improved performance by optimizing SQL Server farm infrastructures for 400 Transport Canada employees.
- Developing and maintaining SQL/PL-SQL scripts/code for both SQL Server and Oracle databases.
- Managing report security and access in SQL Reporting Services with MS SQL Server 2014.
- Involved in designing Parameterized Reports and Report Models for generating Ad-Hoc reports as per the client requirements. Defined Key Performance Indicator metrics to create scorecards. Involved in creating report models and applying row level security filters for report model.
- Developed SQL strategy for 6 very complex Transport Canada networks. That includes multiple zones and hosting different infrastructure services (mail, SQL, web, file shares, clusters, Designed and implemented complex database architecture, implemented strategies for database highly availability and scalability, provided leadership to employees to make the website productive, Researched and executed production methodologies and documented system) to Transport Canada organization of 400 employees.
- Involved in 3 Transport Canada projects related to Data Modeling, System/Data Analysis, Design and Development for both OLTP and OLAP Data warehousing environments by using Erwin r7.1/7.2, ER Studio V8.0.1 and Oracle Designer.
- Supported day-to-day administration of user provisioning and segregation of duties other duties and responsibilities related to SAP security work as defined by management.
- Involved in 3 Transport Canada projects related to Data Modeling, System/Data Analysis, Design and Development for both OLTP and Data warehousing environments by using Erwin r7.1/7.2, ER Studio V8.0.1 and Oracle Designer.
- Published reports and dashboards using Power BI.

Team size	15 – Onsite & Offshore
Role	Database Administrator / Architect
Duration	Jan 2015 – May 2019

Responsibilities:

- Evolved the corporate Enterprise Data Model, which included definitions, enterprise-wide conceptual and logical model as well as application specific models.
- Provided data architecture and required architectural artifacts such as conceptual architecture, logical architecture, physical architecture for key initiatives/projects.
- Worked in GCP/AWS platform to provide end-to-end data solution, development of data intensive, data migration application, building data lake and data warehouse system.
- Developed a secure Microbank Application using Cloud Big Data & Analytics Services on the cloud

AWS, Redshift, Athena, EMR, Glue, AWS CDK and leveraged services such as Amazon API Gateway, AWS Lambda, Amazon Quantum Ledger Database, AWS CloudFormation, and AWS DynamoDB.

- Worked in GCP/AWS platform to provide end-to-end data solution, development of data intensive, data migration application, building data lake and data warehouse system.
- Developed roadmaps and governance methods and practices.
- Deployed, automated, maintained, and managed AWS cloud-based production system, to ensure the availability, performance, scalability, and security of production systems.
- Suggested architecture improvements, recommending process improvements.
- Used AWS Config and CloudTrail for the governance framework and enabled compliance, auditing, troubleshooting, etc of AWS accounts and resources.
- Developed and wrote SQL and PL/SQL scripts with Oracle, Open-Source SQL (PostgreSQL, MySQL script code), SQL Server scripts, Oracle and PostgreSQL scripts, cubes, SQL queries, extracts, supporting SSRS, POWER BI, Tableau, Power Suite and other visualization tools reporting applications.
- Used Azure Data Factory and Synapse to develop data pipelines, to develop and copy data among data stores located on-premises and in the cloud.
- Used Azure Data Factory, Azure Synapse to develop ETL packages and data architecture for Power BI Reports. Created Dynamic Pipelines, Data Sets, Linked servers in Azure Data Factory for data movement and data transformations.
- Involved in developing reports and dashboards in Power BI.
- Involved in creating data visualizations like Clustered Column Chart, Donut Chart, Line Chart, Slicer, Gauge Visualization etc. with Power BI.
- Created the Calculated columns and measures with the use of DAX Expressions.
- Involved in effectively used data blending, filters, actions feature in Power BI.
- Embedding Power BI reports to webpages.
- Create the Row Level Security in Power BI.
- Worked with Cognos BI product suite (Report Studio, Analysis Studio, Query Studio, Framework Manager, Transformer, and Workspace Advanced) to develop advanced BI reports, PKI Cards, dashboards and Cubes. Designed and developed Cognos Framework Manager dimensional modeling and transformer cubes.
- Worked with various versions in Tableau, Tableau Server, Tableau Public, Tableau Reader and Tableau Online.

State of PA (Department of Transportation)

Team size	8 (2 Teams)
Role	Business Intelligence Dashboard Implementation Architect
Duration	Oct 2014 – Dec 2015

Responsibilities:

- Led the design and implementation of a business intelligence (BI) dashboard solution using Business Objects reporting tools.
- Led the implementation of a SQL Server clustering solution to enhance database availability and scalability for mission-critical applications.
- Designed and configured SQL Server failover clustering and Windows Server failover clustering to achieve high availability and disaster recovery objectives.
- Worked closely with business stakeholders to define key performance indicators (KPIs), metrics, and data visualizations for the dashboard.
- Developed and customized BI reports and dashboards to provide actionable insights into business performance and trends.
- Conducted user acceptance testing (UAT) and gathered feedback to refine and enhance the

dashboard user experience.

- Provided training sessions and workshops to educate end-users on dashboard functionality and usage.
- Implemented and maintained SQL Server high availability solutions, including failover clustering and AlwaysOn Availability Groups, to minimize downtime and ensure data integrity.
- Conducted database backups, restores, and disaster recovery planning to safeguard critical data assets and minimize data loss.
- Monitored database health and performance using SQL Server Management Studio (SSMS) and third-party monitoring tools, diagnosing and resolving issues proactively.
- Developed and maintained SQL scripts and stored procedures for database automation, maintenance, and reporting tasks.
- Collaborated with development teams to optimize SQL queries, database schemas, and indexing strategies for improved application performance.
- Provided technical support and troubleshooting for database-related issues, ensuring timely resolution and minimal impact on business operations.

Theorem Clinical Research (Application Development & Testing)

Supported more than 25+ applications of Theorem Clinical Research, which are running on different technologies (Cold Fusion, Microsoft .net, C Sharp, SharePoint) per agreed upon SOW. Major Focus is on day-to-day support on the tickets raised by the end users, Bug Fixes and Enhancements on the existing applications as per the new requirements. Successfully delivered the full-length life cycle projects like GROVER, HRIS (Human Resource Management System, FOCUS (Revenue Management System) & Site Management etc.

Team size	12	Environment: .Net Framework 1.1 & 2.0, ColdFusion,
Role	Infra / Quality Assurance Lead / Manager	JavaScript, JIRA, Visual Studio 2003 & 2005, Microsoft Office
Duration	Jan 2008 – Feb 2014	SharePoint 2007, Mainframes, SQL Server 2000 & 2005.

Responsibilities:

- Designed and developed custom reports using Crystal Reports and Business Objects reporting tools to analyze and visualize data from various sources.
- Gathered business requirements and translated them into report specifications, ensuring alignment with stakeholder needs and objectives.
- Created complex SQL queries and stored procedures to extract and manipulate data for reporting purposes.
- Developed and maintained report templates, formatting standards, and report distribution mechanisms to ensure consistency and efficiency in reporting processes.
- Collaborated with business users and stakeholders to identify opportunities for report automation and optimization, resulting in improved data accessibility and decision-making.
- Provided training and support to end-users on report usage, functionality, and best practices to promote self-service reporting capabilities.

GrantPlanX (Application Development & Testing)

GrantPlan is the largest database of current international clinical grant costs in the world. The database contains extensive cost data at the Procedure, Cost per Visit, and Cost per Patient levels from North America, Europe, Asia, Latin America, and other important countries involved in drug testing. Created in close conjunction with users from pharmaceutical companies and clinical sites around the world, Only GrantPlan offers both the cost and time associated with conducting over 800 rating scales.

Team size	10	Environment: ASP.NET 2.0 with C#.Net, JIRA, SQL Server
Role	Senior QA Engineer / Lead	2005
Duration	Aug 2007 – Jan 2008	

Responsibilities:

- Developing the software test plans, test estimations. Defining the QA process for the project.

- Scheduling, and monitoring the assigned tasks. Helping the team on any issues.
- Maintaining the RTM for the requirements coverage. Writing and execution the Test Cases per the defined test cycles.
- Logging and tracking the defects as per the standard defect life cycle in JIRA.
- Attending the defect status meeting with Business and IT and providing any clarifications on the Defects.
- Providing test sign off and supporting the project release cycles.

Insurance Data Processing (Testing)

Insurance Data Processing is a well-versed tool to handle all day-to-day transactions related to Insurance policies/Claims. The cycle starts with Quote and once it is got approved then it will be converted into Application, from application state it will be converted into Policy. By using this IDP system user can create the claims, can perform the approvals and rejection through online and can maintain accurate information about the Payments.

Team size	4	<u>Environment:</u> JIRA, QTP, SharePoint
Role	Quality Assurance Engineer	
Duration	May 2007 – Aug 2007	

Responsibilities:

- Attending the Requirements Review meeting with Onsite and Development teams.
- Understand the requirements and draft the Test Cases for all the Functional & Non-Functional Requirements.
- Test data preparation and execute test cases per the defined t Functional, System, Integration, Regression & UAT test cycles. Logging the defects in JIRA and working with developers on the resolution.
- Maintain RTM for the requirements coverage.
- Writing and executing the automation Scripts using QTP for automating the Regression Suites.

Cisco Systems (Oracle Apps - Order Management, Payments & Receivables)

Supported Oracle Applications implementation for Cisco users, which offers a scalable, high-performance computing platform for running all Oracle solutions. Worked on customizing / enhancing the oracle screens under Order Management, Payments & Receivables modules.

Team size	15	<u>Environment:</u> Oracle Apps, Oracle frames & Charts, SQL,
Role	Software Engineer	PL/SQL, Test Director
Duration	Jan 2006 – May 2007	

Responsibilities:

- Developing / enhancing the UI screens based on the requirements.
- Testing the developed / enhanced UI screens.
- Logging the defects in Test Director and working with the team on fixing the bugs.
- Communicating the daily & weekly status to the leads.