**VIVEK J**

Alpharetta GA

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**Professional Summary**

Experienced in software and system enhancement implementation, system specifica- tion development, and system application testing.

Excellent interpersonal, written, and oral communication skills. Posses’ excellent problem solving and critical thinking skills.

Experienced trainer of operational and technical procedures.

Responsibility include evaluate business requirements and prepare detailed specifica- tions that follow project guidelines required to develop written programs.

Recommended procedures that solve complex business problems regarding hardware and software capacity and limitations.

Responsible for meeting and exceeding all defined target goals and timelines for As- signed projects to ensure overall success.

Over 20 years’ experience in administrative, operation and client/operational support Designed and tested web-based JAVA applications

Primary resource for defect testing and resolution.

Wrote and executed test plans for system Automated Testing. Worked on AWS eco system.

Worked on POC with Docker and kubernetes.

Worked on Site Reliability Engineer for projects gaging the requirements. Worked on migrating projects onto cloud.

Worked on cybersecurity methodology for standardizing security protocols for DoD. AWS Certified Solution Architect Associates.

CompTia Security+ Certified.

# TECHNICAL SKILLS

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| **Technologies** | Full Stack Java development, Python, Microservices, HTML5, Spring MVC, Hibernate, Hadoop, RESTful, SOAP, Sprint Boot, API Gateway, Spark, Scala, Kafka, Zoo Keeper. |
| **Databases** | Oracle 11g , Oracle 12c, MySQL, MongoDB |

**EXPERIENCE**

**eSolution Architect Inc Developer/Architect/Infrastructure/SRE. Montgomery AL March 2016 - Till date**

Architected and developed applications for the US Airforce to communicate and inter- act with other DoD technical systems. This work requires security clearance.

# CDRS

This project is for the US Airforce, refactoring the Perl project into Java JSF.

The application was developed in AWS cloud. Appropriate monitoring tools were used to debug and observe.

My involvement was to understand the functionality and convert the code into Spring MVC preserving the same look and feel. Github was used for version control and stor- ing the application code. Maven was used to deploy and install application builds.

Because of security reasons additional description is not available.

**Environment:** Java, JSF, Spring framework, Maven, Git, Eclipse, HTML, JUnit, AWS EC2, S3, AWS beanstalk and Lambda, Cloud watch, Security.

# ARMS

ARMS project is for the US Airforce for documenting the training, flight details, flying hours and reports.

Decomposed monolith into multiple microservices resulting in improving scalability and availability of the system.

Reduced processing time of transactions by refactoring some processes.

Reduced cost of infrastructure by leveraging right AWS services based on the applica- tion needs.

Improved database performance by redesigning some SQLs and using indexes appro- priately.

Created virtual hosts on the EMX5.6 for application development/testing/database servers.

Loaded Redhat operation system for Linux use. Created Stories in Jira for agile for 2 weeks sprint.

Created SVN server for version control and storing the application source code. Jenkins was configured to create the latest code build from SVN and to deploy. En- cryption and Digital signature were used for integrity and non-repudiation.

MD5 Hash were used to persevere the integrity of the files for code deployment. Created an API Security keys with CAC allowing the user to login to the web applica- tion.

The application was tested for SQL injection and Cross Reference with Sonar Qube. Tested and configured the source code as per the standards of DOD DISA STIG re- quirements.

Web Server Certificates was configured to initiate a secure session with browsers. Created Reported using TIBCO.

**Environment:** Java, JSF, Spring MVC framework, Maven, Eclipse, HTML, JUnit, JMockit, JBoss, Tomcat, Github, Oracle 12c, SQL Queries, EMX5.6, Web Certificates, Encryption, MD5 Hash, Sonar Qubes, Jenkins, Security, Jenkins, Monitoring tools.

**Verizon wireless Alpharetta GA 1998 – 2015 Solution Architect, Operations, Development, SRE.**

Architected and developed software used in the telecom industry leveraging full stack Java experience.

Worked on SDLC and Agile methodology.

# RSS Billing and Provisioning

Provisioning and billing for the retail customers and 4 Million reseller subscriber with profit of about $130 Million every quarter.

Monitored the application for CPU utilization, disk utilization and processing request using load balancer.

Was in-charge of running the application 24/7 365 days with the reseller provisioning subscriber.

Created bills and reports for the subscribers voice/txt/sms/data usage to the resellers monthly.

Interacting with other systems for data storages for legal and audit.

Serve as lead resource responsible for overall design and development of application. Designed and developed RESTful web services.

Redesigned processes for transmission and processing files between Verizon and re- sellers resulting in significant cost savings as well as improved scalability of the appli- cation.

Streamlined production and operations support of the system using onshore oﬀshore model.

Created masking for data for oﬀshore access and support.

**Environment:** Java, JSP, ANT, Eclipse, HTML, Tomcat, Github, Oracle 11, SQL Queries, Spunk, Load Balancer, Shell Script, SSH, REST, IBM MQ Server, nginx, Moni- toring tools.

# Verizon Centralized Roaming System.

Home built application for implementing the pre MDI allocation to the subscriber. Architected the application by creating the frame work for easy of use to the internal customer for CRUD using full stack Java development.

Engaged in full product cycle from design, development, testing and debugging to de- ployment.

Performed architecture review of the system with architecture team to evaluate solution design and also selection of new technologies.

Implemented the Web Services leveraging SOAP, XML, and WSDL standards. Created a batch process to audit the switches and created batches in the roamer database to update on the switches.

Created a backend interfaces connecting to the network switches like Alcatel-Lucent, Nortel, Ericsson, Motorola for updates and audit.

Implemented 6-sigma and reducing the processing time from 2 hours to 20 min.

**Environment:** Java, JSP, Spring MVC, ANT, Eclipse, HTML, Tomcat, SVN, Oracle 10,Shell Script.

# Other projects

Win4 Subscriber billing: Java based application for billing subscribers using Win4 ser- vices.

OnStar: Java based application for provisioning and billing subscribers using OnStar services.

Win4: Java based application for provisioning subscribers using Win4 services.This is the earlier version of OnStar with no voice.

# Education.

Master in computer Science. (Mtech from JNTU Hyderabad India). Master in Mathematics (M.Sc from Osmania Hyderabad India).

# Certification and Awards

AWS Solutions Architect Associates (Valid until July 2022) Certified CompTia Security+ SYS0-501 (Valid until Sept 2022) Star employee award at eSolution Architect Inc.

Recognized with employee of the month award multiple times at Verizon Wireless.

# Status

US Citizen.

