**MOHAMMED RAFIQUE**

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**SRE/DevOps/,DevSecOps/Cloud Architect /Solution Architect/Enterprise Architect**

**Dallas, TX**

**H1b**

**ONLY C2C**

**Willing to go Day 1 ONSITE across USA**

**PROFESSIONAL SUMMARY**

15+ years of experience in software comprising capacity Planning, identifying requirement, licensing, provisioning, system designing, implementing, Infrastructure, application framework, database, security, development, DevOps,SRE,DevSecOps, production support, deployment automation, Cloud Services, Containerization, MLOps.

***TECHNICAL SKILLS***

|  |  |
| --- | --- |
| Programming Languages | C, C++, Java, SPRINGBOOT,SQL |
| Scripting | Shell, Groovy, Perl, Python |
| Automation | Jenkins, Ansible, Terraform, Cloud Formation Template |
| Build | Ant, Maven, Gradle |
| Databases | MYSQL, MSSQL, Oracle, DB2, MongoDB, Cassandra |
| Virtualization | Docker, Kubernetes, OKS, EKS, ECS |
| Monitoring Tools | Splunk, AppDynamics, Prometheus Grafana, CloudWatch, Nagios, New Relic, Catch Point, Cloud Trail |
| Cloud And Technologies | AWS, OCI, Docker Containers |
| Bug Tracking Tools | JIRA, Rally |
| Repository Manager | Nexus, J-Frog Artifactory/X-Ray |
| Web/App servers | Web Server, Apache Tomcat, NGINX, Apache |
| Operating Systems | LINUX (RHEL 6/7), Unix, Ubuntu, Centos, Windows |
| ML/AI | MLFlow, Dagshub, DVC, SageMaker |
| Versioning Tools | SVN, GIT, GITLAB, Bitbucket |
| Security – Authentication | SSO, SSL, TLS, APIGEE |

**EDUCATION**

**Master of Technology (MTech)-Computer Engineer-***India* *May 2007*

**Master of Science (MS)-Information Technology**-India *May 2003*

**Certification**

AWS Well-Architected Framework

Kubernetes Completion

AWS Certified Solution Architect (Exam Scheduled)

**PROFESSIONAL EXPERIENCE**

**Employer: Cuboid IT Solutions  
Solutions Architect**  *July 2018- Present*

*Verizon, Irving, TX*

* Design, Implemented, Migrated 7 platforms PEGA Workflow Case Management, PEGA VBG Decisioning, Sales2Go, ECS, BAM, O2B, ProQuest.
* Defined and designed solutions following Well-Architected framework to meet management ask taking care of implementing new tools, security, cost, and performance. Redesigning monolithic applications as microservices.
* Deployed and managed applications running on a mix of Kubernetes, AWS, GKE and introduced optimization; resulted in a $15k savings per month.
* Rehydration automation saving 30-35 mins each node.
* Lead team of 3 DevOps engineers.
* Implemented Observability and monitoring tools on platform which reduced critical incidents helped identifying issues to avoid any downtime.
* Built infrastructure for production which grew to 15% transaction archived with following autoscaling. Non-Production platform as design and implemented.
* Automated build, security check, code quality, test automation for hotfix and release making 100% error free and saving 90% of manual tasks.
* Cost optimization saved 18 to 20 % quarterly, following the automation process by identifying leaks and implementing housekeeping.
* Managing Organization dashboard as Green by taking care H/W, S/W vulnerability identifying dynamic/static, model threat before deployment.
* Design, Planning and Implemented Disaster Recovery process, helped Organization to maintain 100% availability at any time.
* Implemented Database process by identifying right DB, data process, automated backup, stream, batch, data security, tuning queries, send reports periodically which improved achievable SLA 2-3 secs.
* Platform Secured by implementing SSO, SSL, TLS, APIGEE, API Gateway, Data encryption, Zoning and reviewing periodically for any non-discoverable threats.
* Collaborate with stakeholders to define and meet SLA
* Setting precise numerical targets for system availability, which guide decision-making (SLO).
* Define metrics that measure system performance and reliability (SLI).
* SREs set precise numerical targets for system availability, which guide decision-making
* Created dashboard projecting the platform health and sending alerts for early identifying for any critical issues, helped to keep platform 99% stable on production.
* Reduced average server downtime by 67% through improved monitoring processes and 24/7 maintenance checks.
* Blue Green Deployment Process and Designing, defining implementing DR process.
* PEGA Service Externalization (Stream and Hazel cast). PDC onboarded after security clearance and Deployment Manager.
* Conducted 90-day audit platforms and initiated procedural optimization that saved $44K by following horizontal, vertical scaling, virtualization, and Implementing Active-Active process.
* Build 270+ nodes for all platforms.
* Closely monitor services, track performance metrics, and ensure adherence to service-level objectives (SLOs).
* Deployed and managed applications running on a mix of Kubernetes, AWS and introduced optimization resulted in a $15k savings per month.
* Migrated and developed micro-services, event-driven applications, messaging systems using REST API, APIGEE Gateway, SOI.

**Technology**

## JAVA ,SPRING BOOT, PYTHON, SHELLSCRIPT, GROOVY, APACHE, NGINX, TERRAFORM, ANSIBLE, SQL, AWS (EC2,RDS,ELB,VPC,ASG,Lambda,IAM,SG,S3,API Gateway, Cloud Tail, Cloud Watch), , KUBERNETES, DOCKER, SSO, SSL, TLS, APIGEE, PEGA, CI/CD, AGROCD, JENKINS, CASSANDRA, ORACLE, KAFKA, ELK, GIT, JFROG, GRADEL, SONARQUBE, ANSIBLE, SPLUNK, HEZALCAST, TALEND, CATCHPOINT, NEWRELIC, GKE, MLOPS, MLFLOW, ZOOKEEPER.

**Project Lead** *February 2017–July2018*

T-Mobile, Tech Mahindra Seattle, WA

* New digital architecture for Retail/online stores migrating from SAP to Open Systems Java, Cassandra, Oracle to save cost and improve performance by 65 %.
* Providing hands Cloud and DevOps tools stack on delivery and automation pipeline solutions for multiple applications
* Led a team of 5 DevOps engineers in the transition from AWS ultimately saving neat about $1M.
* Improved application performance speed by 5% by reducing redundancies and organization of the backend.
* Provided technology leadership for infrastructure, scalability, and performance for 150+ employees.
* Drove operational efficiency improvements which resulted in an increase in network efficiency of 10%.
* Implemented monitoring on applications and infrastructure systems which reduced critical incidents by 15%.
* Removed over 90+redundant servers and consolidated databases, which decreased 75% of quarterly.
* Data migrated from RDBMS to No-SQL which improved preformation 30% and reduced cost to 55%.
* Application is redesigned into 55 + microservices and orchestrated the complete application lifecycle resulting in 40% resource and effort reduction.

**Technology**

## JAVA,SPRINGBOOT,SHELLSCRIPT,GROOVY,NGINX,TERRAFORM,ANSIBLE,SQL,AWS,PCF,KUBERNETES,DOCKER,SSO,SSL,TLS,APIGEE,PEGACI/CD,JENKINS,CASSANDRA,RDS(ORACLE),KAFKA,GIT,JFROG,GRADEL,SONAR, ANSIBLE, SPLUNK, APPDYNAMIC ,ZOOKEEPER,PCF

**Senior Developer & DevOps Engineer**  *March 2014 – Jan 2017*

*AT&T- Tech Mahindra Alpharetta, GA*

* Providing Solution on delivery and automation pipeline solution for the applications - Consent Management Program, Apple DEP, Myatt Fiserv to Myatt, IPTV Advanced Advertising Customer Opt-in Consent, DLC Worked as Full Stack SME (Java, UI, Bigdata/NoSQL).
* Architect the legislative system to Bigdata platform, which reduced cost 35% & improved performance by 45 %.
* Designed a transaction processing functionality to handle 100k simultaneous client requests.
* Identified and evaluated project risks and devised risk-mitigation strategies to reduce risk; led to a 25% increase in ROI.
* Implemented a modern technology-based method to capture system failure and to monitor system discrepancies, which improved the process by 30%.
* Deployment automated which helped team to deliver the efficiently, error, vulnerability free. Code quality.
* Improved by 25 % but test automation.

**Technology**

JAVA, PYTHON, SHELLSCRIPT, GROOVY, APACHE,NGINX,TERRAFORM,ANSIBLE,SQL,AWS, KUBERNETES,DOCKER,CI/CD,JENKINS,CASSANDRA,RDS(ORACLE),MQ,GIT,JFROG,GRADEL,SONAR,ANSIBLE,SPLUNK,ZOOKEEPER GENFIRE,COHERANCE

**Technical Lead**  *Sep 2009-Feb 2014*

*Nissan-Tech Mahindra, Chennai, India.*

* As Technical Lead & SysOps Engineer, led & designed Credit card charges from Citibank loaded to TEBER daily.
* User creates expense reports (TEA). Users verify credit cards, reconcile credit card charges, provide receipts, submit expense reports for approval. Managers approve expense reports. Completed expense reports are processed to SAP.
* Users with Reimburse expense is paid. TEBER Coordinate between SAP & Citibank. Created many data loading systems for data load. Designed using Java 1.6, Shell Script, MSSQL, Linux, SAP.

**Senior System Analyst** *Oct 2008–Aug 2009*

*British Petroleum-*Tech Mahindra, *Chennai, India*

* As Sr. System Analyst & Production Support Engineer, created an alternate report generating tool replacing ACE report writer which is part of Informix.
* Developed Data Migration Scripts to migrate live data from Informix to PostgreSQL.
* Migrated source codes from the existing SCCS configuration tool to CSSC configuration.
* Rebuilt all the libraries including the Panel Plus II libraries as shared libraries and removed the dependencies with SCO system libraries.
* Migrated Informix 4GL program to support PostgreSQL. Executed Unit Test for the impacted modules followed by Integration Testing and System Testing.
* A new system was developed using C, C++, Shell Script, Informix, PostgreSQL, Embedded SQL, GDB, CSSC, Linux.

# **Senior System Analyst** *Dec 2008-Sep 2008*

*Nissan-* Tech Mahindra*, Chennai, India*

* As Sr. System Analyst, replaced ENTRUST encryption to PGP server - Inbound files were encrypted using PGP keys provided by NISSAN and Chase Bank, ftp'd from bank to NISSAN and decryption process is carried, Mails were forwarded to the customer and NISSAN stating the status of the process, the Process is carried out for Inbound files and Outbound files & Archived using Shell Script.

**Software Engineer**  *Jan* 2007 *-Nov2007*

*Tatara Systems-Persistent Systems Ltd MTS, Pune, India*

* As Engineer worked on Subscriber Gateway, which is based on a hardened, secure, carrier-class platform with an embedded management system that supports web.
* This is designed to interface a wide range of carried systems in the central office such as external subscriber database, reporting systems, mediation/billing systems and settlement systems. Enhancement Project done using C++, C, J2EE, MySQL, Mosye, Linux