MOHAMMED RAFIQUE

MTech, MS

 Cloud & DevOps Solution Architect

rafique.devops01@gmail.com

+1(770) 653-8118

<https://www.linkedin.com/in/mohammed-rafique-baaa7914/>

Dallas, TX

**H1b**

**ONLY c2c**

**YES, WILLING TO GO DAY 1 ONSITE ACROSS USA**

**Professional Synopsis**

* 13 years of experience in the IT industry comprising Development, Design, Infrastructure, DevOps, DevSecOps, MLOps ,Build and Release Management, Production Support, Deployment Automation, Amazon Web Services, Containerization implementation.
* Capacity Planning, Identifying required software, licensing, Security Clearance and provisioning
* Designing and implementing - System,physical,cloud,deployment,application framework, Database, Communication, Scalability and security Architecture
* Identifying Batch, online process, Implementing API Gateway (APIGEE and AWS API Gateway).
* 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.
* Converting Monolithic application as micro service and deployed on K8 using Docker, Jenkins, GIT, JFrog, SonarQube, Junit, Security Scanner for vulnerability, Dynamic/Static, Avocado etc. Starting from decoupling the application, creating docker file, implementing deployment process depend on (EKS or OKS) using automation.
* Defined implemented data load process (ETL)/data pipeline using Jenkins and Talend.
* Elastic IP, RDS, SNS, SQS, IAM, VPC, Cloud Formation, Route53) and managing security groups on AWS.
* Experience with messaging and queuing systems (RabbitMQ,MQ,SQS)
* Proficient in using Build Automation tools like ANT, Maven, Gradle and working knowledge on other build tools like make file.
* Performed automation tasks on various Docker components like Docker Hub, Docker Engine, Docker Machine, Compose and Docker Registry.
* Implemented Continuous Integration and deployment using various CI Tools like Jenkins, GitLab pipelines.
* Extensively worked on Kubernetes, Docker, OpenShift and Jenkins for continuous integration and for End-to-End automation for all builds and deployments.
* Experience in administrating, deploying, and managing RedHat, Ubuntu and CentOS servers.
* Experience in remedying Vulnerability on Application, Server.
* Proficient knowledge in Groovy Scripting, Shell Scripting, SQL, build utilities like open make, ANT.
* Implementing Multi-Cloud Architecture, SecDevOps, DevOps, SCM & Delivery activities such as source code, configuration management, build and deployment process throughout the development and delivery lifecycle Cloud & OnPrem.
* Full stack software development (databases, RESTful services, client-side, user interface). Developing and maintaining application tools that build, deploy, automate and streamline the product delivery process.
* Working under N-Tier distributed architecture platforms and applications such as OS, firewalls, Load Balancer, Web/Application/Messaging/Directory/Database Server.
* Experience in logging, monitoring solutions using ELK, Newrelic, Catchpoint developing dashboards / metrics in Splunk, AppDynamics and Dynatrace.

 **Technical Skills**

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| --- | --- |
| Programming Languages | C, C++, Java, 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 |

# Education

* MTech Computer Engineer – 2007 - India
* MS Information Technology – 2003 - India

# Professional Experience

#  Verizon - Cloud & DevOps Architect July 2018-Till

As an Architect providing solution for smooth Delivery of products with cloud, DevOps automation pipeline solution for multiple applications under business enterprise expanding it to DCs. Working as a full stack SME. Configuring & containerizing using CI/CD/Automation delivery pipeline for the Microservices Architecture (Java, Java EE, JBoss EAP, RESTful WS, Swagger, Postman), AWS/IaaS, Docker, Docker Toolbox, Oracle VirtualBox, Ansible, Atlassian, Git, Bitbucket, SVN,

Jenkins, Maven, SonarQube, Junit, jfrog, Splunk, Newrelic, Node.js, AngularJS, JSON, XML, CSV, SFTP, Pivotal Cloud Foundry/PaaS,OCI, Cassandra,MongoDB,KORE.ai,RabbitMQ.Architected DataLake using Scala, Apache Spark and Kafka, ML, Cassandra, AWS, MFT, Oracle, Python Spark, Zookeeper. POC on cutting technology. Used MLFlow, DVC and MLOPS for prediction.

# Responsibilities

* Create a well-informed cloud strategy and manage the adoption process.
* Regularly evaluate cloud applications.
* Develop and organize cloud systems.
* Work closely with IT security to monitor the company's cloud privacy.
* Respond to technical issues in a professional and timely manner.
* Offer guidance in infrastructure movement techniques including bulk application transfers into the cloud.
* Identify the top cloud architecture solutions to successfully meet the strategic needs of the company.
* Path forward for Containerization and Implementation (K8,EKS)
* Proof of concept (POC)
* Understanding customer requirements and converting them into state of art solutions.
* Architect and established enterprise PEGA distributed environment.
* Establishing DevOps Process.
* Redesign RDBMs application to NoSQL.
* Enabling seamless full-infrastructure provisioning for site-redundancy
* Architecting Hybrid Cloud with highly available, scalable and fault tolerant

#  T-Mobile/Tech Mahindra Project Lead Feb 2017-July 2018

As DevOps Architect and Cloud Engineer providing hands on delivery and automation pipeline solutions for multiple applications under the new digital architecture for Retail/online stores and expanding it to DCs. Working as a full stack SME. Configuring & containerizing using CI/CD/Automation delivery pipeline for the Microservices Architecture (Java, Java EE, JBoss EAP, RESTful WS, Swagger, Postman), Zipline. APIs/APIGEE, AWS/IaaS, Docker, Git, Bitbucket, Jenkins, Maven, SonarQube, Junit, jfrog, Splunk, AppDynamics, Node.js, AngularJS, JSON, XML, CSV, SFTP, Pivotal Cloud Foundry/PaaS, Cassandra, Gem fire, RabbitMQ. Providing POC as required.

# Responsibilities

* Capacity Planning, Technical design, and implementation.
* Feasibility study of technology,platform,storage,cache etc.
* Proof of concepts
* Creating documents of the CI/CD process.
* Interacting with different team to fix issues, faced by team and providing solutions

 ● Deploy and maintain systems through continuous integration platform.

* Implementing unit, integration, functional and automation testing.
* Achieving automated system for end-to-end solution.
* Guide business decisions from technical perspective

 ● Architect the legislative system.

* Co-coordinating with Offshore team.
* Cost saving actives (ROI)
* Maturing/Improving the process
* Client interaction

 **AT&T/Tech Mahindra Sr. Developer & DevOps Engineer Mar 2014-Jan 2017**

As Sr. DevOps, Bigdata Administration Engineer & Full Stack Developer providing hands on delivery and automation pipeline solution for the applications and projects - Consent Management Program, Apple DEP, Myatt Fiserv to Myatt, IPTV Advanced Advertising Customer Opt-in Consent, DLC. Automation of Cassandra Data Center Volume. Worked as Full Stack SME (Java, UI, Bigdata/NoSQL). Data Modeling, Apache Cassandra, Zookeeper, Jenkins, Dev Center, Apache Tomcat, Shell Script, JSON, XML, CSV, Java 1.7, Node.js, Public/Private Cloud, Pivotal, AWS, Chef, SWM, Junit and Linux.

 **Responsibilities**

* Lead team in technical design, planning and implementation.
* Deployed and maintained systems through continuous integration platform.
* Implemented unit, integration, functional and automation testing.
* Guide business on decisions, performance, reliability, scalability and security
* Architect the legislative storage.

**Nissan/Tech Mahindra Technical Lead Sep 2009–Feb 2014**

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.

# British Petroleum/SCSL Sr. System Analyst Oct 2008–Aug 2009

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.

# Nissan/Satyam Computer Services Limited Sr. System Analyst May 2008-Sep 2008

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.

# Tatara Systems/Persistent Systems Ltd MTS Feb 2007-Nov 2007

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.

# The Depository Trust Company (DTC)/TCS Software Engineer Feb 2006-Jan 2007

As Software Engineer implemented new, flexible and scalable Corporate Depository system Actions to replace existing systems to meet emerging and future business needs and technology directions. The objective of the proposed new systems will be to reduce risks, improve efficiency and productivity, and reduce costs for DTC and its customers in the Corporate Actions. The new Corporate Actions system will facilitate servicing of Dividends, Reorgs and Redemptions. As the client deals with the Asset servicing services so the have world wide Business. Development from core. Java, DB2,Mastercraft, CVS, Eclipse, JUnit.