Rakesh Reddy L   **Mobile-9845496405**

Sr. Architect -1   **Email -** rakeshreddy7099@gmail.com

Professional Summary

 Devops Engineer with six plus years of experience, helping clients to move to cloud and containerize existing stacks and automate the various tasks, demonstrated history of architecting highly secure, scalable, fault tolerant, cost-effective infrastructure on AWS & GCP. I am inquisitive to explore different tools and areas in DevOps. Have hands-on experience in deploying, maintaining services in AWS & GCP along with Linux administration and Troubleshooting.

Technical Skills

Programming/Scripting Language

- Shell Scripting, YAML, Go, Python

Cloud Services

- AWS: Amazon EC2, Elastic Load Balancing, Autoscaling, VPC, S3, CloudFront, SNS, IAM, CloudFormation, RDS, Amazon Lambda, Code Pipeline, Code Deploy, Code Build, ECS, Dynamo DB, EKS, OpenSearch service, Security Hub, Amazon Macie, Resource groups, Amazon Kinesis, Amazon Athena, AWS Glue etc.
- Azure: Virtual Machines, V Net, Storage Accounts & knowledge on Azure DevOps and pipeline, AD.
- GCP: VPC, IAM, App Engine, Compute engine, Google Cloud storage , creation of Projects , Dataflow , Dataproc , Looker , SCC , Load balancers , Routing , Alerts , Composer , Big query

Configuration Management, Containerization, OS, CI CD pipeline, Monitoring tools, Ticketing tool & Version control tool

- Linux, Windows, CloudFormation, Terraform, Ansible, Docker, ECS, Kubernetes, EKS, GKE , AKS , Prometheus & Grafana, , Jenkins, AWS Code Pipeline, Jira , Nexus & JFrog artifactory, GIT & Github Actions , Zabbix , OpsRamp & Pager Duty.

Databases

- MySQL, RDS, MongoDB, Dynamo DB, Postgres.

Technical Skills

- Designing and implementing highly available, scalable, fault tolerant systems on AWS & GCP.
- Experience in architecting with Docker and Kubernetes solutions on AWS ECS, GKE, EKS ,Amazon EC2, GCP CE
- Experience in configuring and managing the Jenkins by Associating with Build and Release team to implement the CI process and integrated the tool with maven to schedule the builds & setup Jenkins server & worker nodes, Installing and updating Jenkins plug-Ins to achieve CI/CD

Work Experience

Company: Devon Software Services Private Limited

Designation: Sr.Architect -1 (Aug 2023- present)

Project Title: IDP – Elsevier

Description: As part of Elsevier's internal Identity Platform team worked on upgrading existing terraform modules code base which was of older version. Migration from puppet to Anisble for configuration management in concert with the existing OracleDB & Mongo DB to the latest stable version of terraform. Upgraded existing version of the EKS clusters To 1.24 on AWS. Worked on integrating twistlock as part of CI/CD pipelines for image Vulnerability scanning as part of security and compliance.

Main Technologies Used: Linux, Windows, Terraform, Jenkins, Elasticsearch, Docker, GitHub, Git, SonarQube, JFrog Artifactory , Elasticsearch, EKS, AWS, Tanium, CLB, ALB, NLB,

Project experience

Company: ZEBRA TECHNOLOGIES LTD.

Designation: Senior Software Engineer (Dec 2021- Mar 2023)

Business Unit: GMSS

Implemented MLOPS as part of GMSS VSDA Team by leveraging GCP Services like BigQuery , Dataproc Clusters , Dataflow jobs for real time data streaming & migration from ELK stash to Bigquery and looker on GCP. Deploying ML models as part of CI/CD using Jenkins and google cloud build.

- Created Multiple parent and child projects for various different environments in both GCP , AWS & Azure using terraform
- Responsible for implementing best practices and organizational policies for GCP & AWS

- Responsible for production workload monitoring on Airflow composer on GCP
- Responsible for remediating security vulnerabilities mainly within the given SLA for critical events on security command center in GCP
- Security Patching and OS Patching on all the VM's in production and other lower environments.
- Installation and upgrading security agents like LogRhythm , Nessus & Falcon sensor
- Installation of security agent – Falcon sensor on both GKE & EKS Clusters.
- Worked on documentation of installation & troubleshooting for both CoS and Normal clusters.
- Worked on integrating OpsRamp monitoring from the previous pager duty.
- Moved from manual patching to automated patching using Ansible
- Responsible for updating composer to the latest version of Apache Airflow
- Worked on creating dashboards on Elasticsearch for graphical representation of data.
- Worked on queries on both Elasticsearch and Big query to identify various datasets.

Business Unit: Intelligent Cabinet(I.C.)
- Created Eight different child environments on GCP using terraform
- Responsible for creating all infrastructure based on the BU requirement form scratch.
- Created firewalls, VPC , Load balancers , SFTP servers , Jenkins server , SCC , Alerting Policies and MySQL DB's
- Implemented best practices like highly available DB's , snapshot schedule for vm's , backup for DB's.
- Responsible for security agent installation on all the vm's
- Responsible for OS patching and security patching.
- Responsible for periodic upgrades for various services used on GCP.

 Main Technologies Used: Linux, Windows, Terraform, Jenkins, Elasticsearch, Docker, GitHub, Git, SonarQube, JFrog Artifactory , Elasticsearch, EKS , GKE , CodeQL

Company: RECERCA

Designation: Devops Engineer (Oct 2016- Dec 2021)

Project Title: New Web Patform

Description: Verizon Data service is a leading telecom company in U.S having large customer base. Verizon project contains different modules for several applications in Verizon's **(**Test Data Management)The purpose of TDM module is to build an Automation tool to consolidate and process data from different sources, tool consists of different events to process the data, generate the report of processed data and email notification of data processing. **JITR** is one of the subsystems of Verizon Wireless - Billing Test Automation. It caters to automating tasks involved in testing activities of IT system for different releases. IT

system comprises of subsystems/applications like DVS, VISION, JITR, CPI and others. In existing testing process involves lot of manual intervention in testing JITR system for various releases. This manual intervention is in form of uploading data, validating data, running jobs, executing API's and verifying results using database.

Responsibilities:
- Setting up the new build environments for various applications in Windows/Linux environment.
- Involved in editing the existing ANT/MAVEN files in case of errors or changes in the project   requirements.
- Extensively experienced in using Build and Automation tools like Ant, Maven.
- Worked with cloning code from GIT repositories and had experienced in checkout to the branches and downloading code into MAVEN.
- Experience in writing Maven pom.xml and Ant build.xml for build scripts.
- Managed and optimize the CI (Continuous Integration) tools like Jenkins. Install, Configure ,Administered the Jenkins Continuous Integration Tool.
- Built and deployed EAR and WAR files with custom configuration settings using Maven Tool Kit and further deployed the archives into Apache Tomcat Web Server and WebSphere Application Servers.
- Worked on various Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry..
- Manage configuration of Web App and Deploy to AWS cloud servers using Docker Containers and **Kubernetes**.
- Involved in fixing the Bugs in the build script. Worked with **Kubernetes** to make cluster management.
- Created Docker images from scratch and customized and modified base images from existing environment configurations and maintaining the image repo for development teams.
- Worked on Docker open source project by automating the deployment of applications inside software containers.
- Collaborated with Development and Support teams to setup a CD (Continuous Delivery) environment with the use of Docker and vagrant continuous build and delivery tools.
- Implemented Chef Recipes for Deployment on build on internal Data Centre Servers. Setup Chef Cookbooks to perform builds and deployment management.
- Worked on AWS services such as Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IP's, auto-scaling configuration.
- Setting up the new build environment for various applications in Windows/Linux environment

- Creating and Managing Repository and Branches
- Working knowledge of Container Management and Orchestration Software like Dockers**, Kubernetes and Terraform.**
- Helping users in day to day activities involving Check in, Checkout, Branching problems, and user's access control.
- Building the source code using Maven utility
- Automate build process used for Java applications using Jenkins.
- Writing Maven and Ant build tools for application layer modules.
- Integrated Build Process through Jenkins to various SCM tools like GitHub, SVN.
- Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds and automated the deployment on the application.
- Analyzed and converted Ant scripts to Maven scripts.
- Merged the Branches after the Code Freeze.
- Kept track of all the releases and request of the developers through Infrastructure management tool.
- Working with the downstream systems during schema upgrades and message publications.
- Experience in Maven and Shell Scripting.
- Provides dump backup to clients and restores the clients' backup with the offshore environments.

Main Technologies Used

Amazon EC2, Elastic Load Balancing, Autoscaling, VPC, S3, CloudFront, SNS, IAM, CloudFormation, RDS, Amazon Lambda, Security Hub, Amazon Macie, Resource groups, Amazon Kinesis, Linux, Windows IIS servers and workbench, CloudFormation, Docker, ECS, Kubernetes, EKS, CloudWatch.

Education

B.E.(Mechanical Engg) from PESIT – BSC, Bangalore – 2015

12th from Narayana, DNMACH, Hyderabad - 2010

10th from SSSVK, Muddenahalli, Chikkaballapur - 2008

DOB: 05-02-1993

PAN CARD: DJTPR9604E   **Rakesh Reddy**