

**MALLESH B**

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**DevOps Engineer**

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### **Carrier Objective:**

To seek a challenging position in a company, where I can apply my creative skills, enrich my knowledge and grow continuously along with the company through consisted and dedicated smart work.

### **Experience Summary:**

- Having **4+ years of experience** as a **DevOps Engineer & AWS Cloud** engineer, Support & Maintenance in environments like RedHat Enterprise Linux, Centos and focus on DevOps tools and AWS Cloud Architecture.
- Experience in working on **AWS** and its services like **IAM, VPC, EC2, S3, ELB, Auto Scaling, Route 53**.
- Create custom sized VPC, subnets, NAT, EC2 instances, ELB and Security groups.
- Designed highly available, cost effective and fault tolerant systems using multiple **EC2 instances, Auto Scaling, Elastic Load Balancer and AMIs**.
- Establishing connectivity to AWS Resources in another VPC in another region using VPC Peering.
- Configured **S3 buckets** with various life cycle policies to archive the infrequently accessed data to Storage classes based on requirement.
- Creating alarms in **Cloud watch** service for monitoring the server performance, CPU Utilization, disk usage, alarms, logs and events.
- Experience in **Docker** container management like Volumes, Images, Repositories.
- Experience on DevOps tools like **Git, Jenkins, Maven, Ansible, Docker, SonarQube, Terraform**.
- Good knowledge of **Kubernetes, Prometheus and Grafana**.
- Good Hands-on experience in creating Jenkins jobs, plug-in installations, setting up distributed builds using master/slave concepts.
- Automated deployment of builds to different environments using Jenkins and Configuration of SonarQube with **Jenkins**.
- Maven as a build tool for building deploy-able artifacts (JAR, WAR) from source code.
- Experience in using Tomcat and Apache web servers for deployments.
- Handling the scheduling tasks (Crone jobs and task scheduler) for the scripts for various purposes.
- Installation & upgrading of packages by using YUM, RPM and third-party tools.

## Education:

- Graduated as Bachelor of technology from JNTU Hyderabad (2014).

## Technical Skills:

- |                         |                  |                           |                   |
|-------------------------|------------------|---------------------------|-------------------|
| • Operating Systems     | : Linux, Windows | • SCM Tool                | : Git             |
| • Build Tool            | : Maven          | • Continuous Integration  | : Jenkins         |
| • Artifact Repository   | : Nexus          | • Container Orchestration | : Kubernetes      |
| • Monitoring Tool       | : Cloud watch    | • Scripting Language      | : Shell Scripting |
| • Containerization Tool | : Docker         | • Infrastructure as Code  | : Terraform       |
| • Cloud Technologies    | : AWS            | • Config. Management Tool | : Ansible         |

## Work Experience:

- Worked as a Sr. DevOps Engineer in **“Wipro Limited”** from Mar 2022 to May 2023.
- Worked as a DevOps Engineer in **“Zensar Technologies”** from Sep 2018 to Mar 2022.

## Project #3

**Project Name** : ARTINER

### Roles and Responsibilities:

- Setup of the code repository using GIT.
- Maintain GIT Repositories, Handling Releases and Branching activities for GitHub.
- Handle multiple builds from Development team, create build jobs & perform deployment activities.
- Automate the build Process Using Jenkins jobs.
- Verify Deployments logs to check for successful deployments.
- Keeping track of Release files for every release.
- Performing deployments to multiple environments.
- Understanding the client environment, administrating and creating solutions using AWS services, CI/CD, GIT, Dockers.
- Configuring Jenkins job with related plugins for Testing, Artifactory, and Continuous Deployment to accomplish the complete CI / CD.
- Taking periodic backups of Jenkins job, restoring in case of there is any issue with Jenkins server.
- Writing the playbooks using Ansible for deployment and configuring the servers.

- Hands on experience Docker containers by configuring Docker files creating Docker snapshots, attaching to running container, removing images and managing containers.
- Creating Docker images from Containers.
- Linux administration/configuration/installation.
- Proficient in AWS services like VPC, EC2, S3, ELB, AutoScalingGroups(ASG), EBS, RDS, IAM, Route 53, CloudWatch, CloudFront.
- I worked on AWS services for creating servers and taking snapshots for backup.
- Used IAM for creating roles, users, groups and implemented MFA to provide additional security to AWS account and its resources.
- Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Amazon SES quickly supports several email use cases, including transactional, marketing, or mass email communications.
- Amazon SNS is a makes it easy to set up, operate, and send notifications from the cloud. We can use SNS for OTP SMS for transaction, logins, marketing. etc...

## **Project #2**

**Project Name : REPCOTRADE**

### **Roles and Responsibilities:**

- Creating CI/CD pipelines by integrating Git, Maven, Jenkins, Ansible, Docker.
- Branching, Tagging, Release Activities on Version Control Tools: GIT.
- Configuring Jenkins job with related plugins for Testing, Artifactory, and Continuous Deployment to accomplish the complete CI/CD.
- Implementing new projects builds framework using Jenkins.
- Monitoring the daily builds by using continuous integration tool Jenkins.
- Create customized docker files as per required and Maintained Docker private registry.
- Troubleshooting all maven and Jenkins related issues in Build time.
- Wrote several Ansible playbooks for automation that was defined through tasks using YAML format and run Ansible Scripts to provision Dev servers.
- Experience working on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configurations.

- Maintained the monitoring and alerting of production & corporate servers using Cloud Watch.
- Worked on Multiple AWS instance, EC2, IAM, ELB and Auto Scaling to design cost effective, fault tolerant and highly available systems, installing configuring and maintaining continuous integration, Automation and configuration management tools.
- Handle environment management issues reported by team.
- Upload Build artifacts into Amazon S3 location.
- Created S3 buckets in AWS, which are required to serve static content for a web application.
- Implemented DNS through route 53 to have highly available and scalable applications.
- Attended weekly DevOps meeting comprising development teams, operation team to discuss issues with previous release, brief on upcoming major/minor releases.

### **Project #1**

**Project Name : HEALTH CARE SOLUTIONS**

#### **Roles and Responsibilities:**

- Working experience in GitHub, GIT repository hosting services.
- Performed all necessary day-to-day Git support for different projects.
- Responsible for Branching and merging the code as per the schedule.
- Used MAVEN as a build tool on java projects for the development of artifacts on the source code.
- Installed and configured jobs for automating some build Processes.
- Installed and configured Nexus to manage the artifacts in different Repositories.
- Implementing a CI-CD framework using Git, Jenkins, Maven, Nexus in Linux environment.
- Implemented the setup for Master slave architecture to improve the Performance of Jenkins.
- Used Jenkins for Continuous Integration and deployment into Tomcat Application Server.
- Supported and developed tools for integration, automated testing and release management.
- Used Apache Tomcat as application server for deploying the artifacts.

#### **Declaration:**

I hereby declare that the above stated particulars are true to the best of my knowledge and belief and given a chance to serve your organization, I shall do my best.

**Mallesh B**