



## Miriyala Subbarao

subbumiriyala1994@gmail.com

+91-9849075970

Seeking a technically challenging position as DevOps AWS/SRE Engineer in a highly motivated progressive environment which will help me to explore myself & realize my potential.

**Total Experience:** 5 years & 11 months.

→ Having 5.11 Years of experience in implementation of AWS & DevOps automation.

- Managing patches/software upgrades in servers and setup and maintain system-monitoring.
- Exposure in developing Stacks Using Terraform.
- Configured Pipelines using Jenkins.
- Design, implement and securely maintain elastic, dynamically scalable, highly available, fault- tolerant applications on the cloud.
- User and group management, Creating and managing user account, groups and access levels.
- Creating public, private subnets in VPC, routing table, network ACL and security groups
- Using Shell Script to Create a database backup and run Cronjob to scheduler automate scripts.
- Experience in source code management tool **Git and SVN**.
- Experience in GIT- Creating branches, tagging, and providing access permissions to the developers over branches.
- Experience in using **Maven** as a build tool for building deployable artifacts (WAR & EAR) from source code.
- Experience in **CI CD** using **Jenkins**, Jenkins administration and written a pipeline as a code for multiple Jobs in Jenkins.
- Experience in deploying the artifacts in **Tomcat** Server.
- Having experience in Continuous Integration of java applications using Jenkins and deploying artifacts using **Sonatype Nexus**.
- Creating and managing user accounts, groups and access levels using SUDO in Linux.

- Worked with Architects and have done sizing of the servers for the applications.
- Worked on ticketing tool **Jira**.
- Worked in Agile model, and familiar with different Software Development Life Cycle (SDLC) models.
- Ability to accept challenges and adoptable.
- Successful in communicating with people at all levels and with other departments as needed to best serve the customer.
- Having good experience in setting up the code Quality Management using **SonarQube**.
- Experience in monitoring Restful services for the applications using **New Relic** Tool
- Maintain general platform health and system integrity - Web Tier / Application Tier / Caching / Database.
- Worked on instance root volume increase and creation of new volumes, attaching new volumes to existing instance and resizing existing volumes.
- Creating Security groups, adding Security groups and requested IP's to existing Security groups to allow inbound and out bound traffic to instances and ELB's
- Launch and Release EC2 instances, attach/detach ELB, create and restore backup of EC2 instances using AMI.
- Created AMI images of critical ec2 instances as backup using AWS GUI. Setup and managed backup and recovery using snapshot, Utilize EBS to store persistent data and mitigate failure by using snapshots.
- Worked exclusively system on making applications more scalable and highly available in AWS (load balancing) with full automation. Auto scale Groups, Launch config, Load balancer.
- Implementation of alerts system using SNS, cloud metric and instance scale up/down triggers
- Work with Security division to design and manage IAM roles for users.
- Experience in AWS Networking – VPC, NACL's, security groups, etc.,
- Participate on the regular review, planning, audit of AWS hosted infrastructure for strategy and implementation

- requests to add ASM disk Deploying, managing, and operating scalable, highly available, and fault tolerant systems on AWS
- Deployed a server less portal with web layer hosted as a static website on S3
- Restored RDS instances using database snapshots
- S3 versioning Experience involving configuring and lifecycle policies to backup files and archive files in Glacier
- Configured Log Pushing mechanism on EC2 Linux Instance using Bash script and Cronjob
- Created NAT gateways and instances to allow communication from the private instances to the internet through bastion hosts.
- Build Customized AWS IAM policies to restrict access to various AWS resources based on user requirements (developers, BI teams, DB teams, Redshift teams etc.)
- Health checks on newly built servers and generation of GAP reports
- File system Administration on Linux Production servers which includes performing File system housekeeping and tuning, file system extension.
- Disk space management using Logical Volume Manager and manage
- Configuring and troubleshooting FTP, NFS, telnet and SFTP.

### **Experience:**

- Working as a **DevOps Engineer** at Vitech Systems Asia Pvt Ltd (**Apr-20181 to Present**).

### **Responsibilities:**

- Worked on git working Area, Staging area and local repository and managing remote repositories and good exposure in git workflow.
- Created multiple branches to implement branching strategies for the project and working on merging and rebasing of the code.
- Created Organizations, Repositories and managing teams, people on GitHub.
- Continuous delivery of application in TEST, QA servers using configuration management tool Ansible.
- Experienced auto deploying artifact into Tomcat application servers using Jenkins and Ansible playbooks.
- Used various Ansible modules while writing ansible playbooks.
- Configured Jenkins Integrated with GitHub, Maven and deployed artifacts in Sonar Type Nexus.

- Worked on a POC and created pipeline as a code in the Jenkins integration with git, SonarQube, Jfrog.
- Maintained backup for Jenkins on a timely basis and Installed Jenkins Plugins.
- Integrated Git Web hooks with Jenkins to trigger the builds.
  - Integrated Jenkins with the SonarQube Server and pushing artifacts to Jfrog.
  - Migrating applications from **On-premises to AWS cloud**, DNS management.
  - Design, implement and securely maintain **elastic, dynamically scalable, highly available, fault-tolerant** applications on the cloud.
  - Managing **AWS accounts** of multiple customers. Implementing **cost control** Strategies.
  - Maintaining AWS user accounts (IAM) with fine-grained access control and MFA.
  - Creating public, private subnets in VPC, routing table, network ACL and security groups.
  - Setting up site-to-site VPN between AWS and on-premises using AWS VPN
  - **SSL certificate** purchasing and installation at the server, load balancer (ELB) levels.
  - Setting up an SFTP server and rooted user management using native Linux commands.
  - Installing applications, creating SSH users on multiple servers using the **Ansible** tool.
  - Bootstrapping Linux servers, installation of software packages and patches.
  - Strong knowledge in troubleshooting issues in Linux servers.
  - Guiding and managing a **24x7 infrastructure monitoring** team.
  - Setting up infrastructure monitoring tools and alert configuration
  - Launch, configure & manage instances on AWS in EC2/VPC, project release activities.
  - Automation of server related routine tasks using shell.
  - Used AWS auto scaling, Cloud Front, Elastic IP, ELB, IAM, Route53, S3, Securitygroups.
  - Analysis of AWS cost and provides recommendations to resize instances as perutilization.
  - Migrating AWS servers from EC2 to VPC environment.
  - Handling On-Call responsibilities on a weekly basis to ensure site availability & uptime.
  - Optimizing MySQL servers, handling backup/restoration of databases.

- Maintaining NFS disks, log rotation scripts Cronjobs across multiple servers.
- Installing and configuring Nagios server, agent & plugins on instances (NRPE).
- Monitoring, maintaining & updating servers with latest updates, hotfixes & hardening
- Resolving issues related to services like DNS, FTP, and email.
- Handling backups of websites/databases and complete servers.
- Launch, configure & manage instances on AWS in EC2/VPC, project release activities.
- Automation of server related routine tasks using shell.
- Used AWS auto scaling, Cloud Front, Elastic IP, ELB, IAM, Route53, S3, Securitygroups.
- Analysis of AWS cost and provide recommendations to resize instances as per utilization.
- Migrating AWS servers from EC2 to VPC environment.

Handling On-Call responsibilities on a weekly basis to ensure site availability & uptime.

- Setting up, troubleshooting of MySQL master-slave replication & MySQL server migration.
- Optimizing MySQL servers, handling backup/restoration of databases.
- Maintaining NFS disks, log rotation scripts Cronjobs across multiple servers.
- Installing and configuring Nagios server, agent & plugins on instances (NRPE).
- Monitoring, maintaining & updating servers with latest updates, hotfixes & hardening
- Resolving issues related to services like FTP; email (IMAP/POP).
- Handling backups of websites/databases and complete servers.

**Education:** Completed MCA from Gayathri vidhya parishad College in 2017.

I hereby declare that all the information provided above is true to the best of my knowledge.

Place: Hyderabad

Date: