

# O. Manjunatha Reddy

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## Executive Summary

Having 4 years experience in the IT Industry as a **DevOps** and **AWS** Engineer. Possessing excellent programming skills summed up with strong knowledge in **Linux, Shell Scripting, DevOps, Jenkins, Maven, Git, Ansible, Docker, Kubernetes, Apache, Tomcat, Amazon Web Services (AWS)**.

## Highlights

- Experience in AWS provisioning by creating EC2 Instances and configuring all necessary services like **VPC, Subnets, Security, ELB and S3**.
- Good experience in AWS with provisioning & resource management and setting up Enterprise infrastructure on Amazon Web Services (AWS).
- Experience in configure AWS services like EC2, VPC, Subnets, S3 Buckets, Autoscaling, IAM, AMI, EBS, ELB, Cloud watch, RDS and ECR(Elastic cloud registry).
- Experience of configuring highly available, secure and robust VPC in AWS. Configured security groups, Network Access Control List, Routing Tables.
- Experience of configuring **Auto scaling, Load Balancers** to handle the load on servers.
- **Cloud Watch** for monitoring server metrics, creating alarms & integrating with auto scaling in AWS.
- Restricting users to AWS services using **IAM**.
- Experience on **Nagios** monitoring service.
- Experience in using version control management tool **Git**.
- Hands on experience on build management tool **Maven**.
- Proficient in automating **CI/CD** pipeline using Jenkins.
- Experience with web servers like **nginx, tomcat** and **jboss**
- Integrated **SonarQube** with **Jenkins** for continuous inspection of code quality.
- Experience in Configuration Management tool **Ansible**.
- Experience working on several **Docker** components like Docker Engine, Hub, Machine and Docker Registry.
- Hands on experience in using **Terraform** for infrastructure management
- Experience in Agile Environment (**SCRUM**).
- Worked with development teams and testing teams to establish a build schedule, execute the builds and troubleshoot build failures, if any.
- Experience in the **JIRA tool** to track bugs, issues and project management functions.
- Working experience on operating systems like **Linux, Unix, Windows** etc.
- Good knowledge of OS related issues, Server configuration and builds and release processes.

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## Professional Experience

**Virtusa Consulting Services Private Limited , Hyderabad**  
*DevOps Engineer*

**09/2017-Present**

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## Project Details

**Centricity Workforce, Hyderabad**  
*DevOps Engineer*

**10/2018-Present**

Hybrid application used to handle hospital employee's workforce management, like manage employees, work schedule, timecard, requests, exception Management. The application also has modules to perform practice management, revenue cycle management, electronic medical records, medical imaging, and other functions.

- Designing and implementing cloud solutions (**AWS**) with automated CI/CD pipelines that stably build, test, secure, monitor and deploy solution components
- Defining and setting development, test, stage, and production environments for DevOps operation using **Ansible**.
- Integrated **Sonarqube** with the CICD pipeline to perform static code analysis of the source code.
- Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **GIT** source control.
- Managing GIT repositories and user permissions, including tagging.
- Experience working on several **Docker** components like Docker Engine, Hub, Machine and Docker Registry.
- creating **Kubernetes** manifest files like pod, service, daemon sets, replica sets, replica controller, and deployments.
- Monitoring the processes using **Nagios** during the entire lifecycle for its adherence and updating or creating new processes for improvement and minimizing the wastage.
- Installation, configuring and maintaining Cloud Infrastructure using **Terraform** and **CloudFormation**.
- Designing, developing, Automating and Troubleshooting Linux servers which are hosted in **AWS Cloud**.
- Experience in participating in weekly sprints and completing tasks on priority basis.
- Renewing and applying SSL Certificates from ACM certificate manager.
- Implementation, maintenance and administration of **Dockers Containers** and **Kubernetes**.
- Experience in designing and deploying AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB) and auto scaling groups.

- Used EC2 container service to implement Docker to build and deploy files.
- Worked at optimizing volumes, EC2 instances and created multiple **VPC** instances.
- Experience working with **IAM** to create users, groups roles and policies.
- Experience on network CIDR, security implementation, cost optimization.
- Experience in creating alarms and notifications (SNS) for EC2 instances using **Cloud Watch**.
- Experience involving configuring S3 versioning and lifecycle policies to and backup files and archive files in glacier.
- Configured an **AWS Virtual Private Cloud (VPC)** and Database Subnet Group for isolation of resources within the Amazon RDS Oracle DB cluster, Redshift.
- Used the Docker files to build, ship and run distributed as a part of Cloud Build.
- Worked on power DNS on the AWS cloud and maintained it with MYSQL database.

## **Patient.info, Hyderabad**

### ***Linux System Administrator***

**09/2017-10/2018**

Patient.info is an online resource providing information on health, lifestyle, disease and other medical related topics. The website's aim is to provide members of the public with up-to-date information on health related topics in the form of comprehensive blogs and videos.

- Involved in designing **Linux server** environments for developers and testers. supporting them, and documenting procedures for IT support.
- Production operations (**code deployments, upgrades, system patches**)
- Optimising **server performances**. Troubleshooting, determining the root cause and working on solutions and implementation
- Participate in technical research and development to enable continuing innovation within the infrastructure domain.
- Hands on experience with **code deployments** and infrastructure solutions.
- Providing timely and informative follow-up to issue tickets
- **Collaborating** with **Agile Scrum** Teams in creating automated DevOps Delivery pipelines and efficiently managing Microservice Architecture applications deployments into multiple environments up to production.
- **Troubleshooting** and diagnosing issues / outages and Providing operational support to internal environments.
- Using monitoring tools to find problems, resolve and/or escalate ensure that we exceed SLA
- Analytically **diagnosis** system events and alarms with emphasis on elimination of reoccurrence.

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## **Education**

B.Tech ECE , Graduation Year (2011 - 2015)

Tadipatri Engineering College , Anantapur , Andhra Pradesh