

Viswanath Reddy N

DevOps Engineer

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Portfolio : <https://viswanath-reddy.netlify.app/>

SUMMARY

A highly self-motivated and ambitious professional having **4.6 years** of experience as a **DevOps Engineer** with **AWS Cloud**. I look forward to associate with organization where my diversified skills in Software Configuration Management and Software Development Life Cycle will be greatly challenged to meet the company's objectives.

SKILLS

DevOps	Linux	AWS	Git/GitHub	Maven	Jenkins	SonarQube	Nexus	CICD	Docker		
Ansible	Kubernetes	Helm	Python	Terraform	Grafana	Prometheus	ELK	Bash	EC2	VPC	
S3	IAM	CloudWatch	ECR	ECS	EKS	RDS	Route53	CDN	ACM	Cloud Trail	Cost Explorer

CAREER HIGHLIGHTS

- Having **4.6 years** of IT Experience in AWS Cloud and DevOps.
- Hands on experience with SCM tools like Git/GitHub and bit-bucket for user manage permissions Branching, tagging and version management.
- Designed and implemented fully automated self-served CI/CD pipelines for various projects.
- Automated build and deployment process with use of DevOps tools and reduced manual work.
- Good working knowledge of application build & deployment automation, CI/CD tools and processes, support, and operations.
- Manage risks and resolve issues that affect release scope, schedule and quality.
- Measure and monitor progress to ensure application releases are delivered on time.
- Develop and maintain a fully automated CI/CD pipelines for deployment using Jenkins pipelines.
- Experience in implementing infrastructure as a code using Terraform templates for different environments.
- Experience in automation using Shell scripting languages.
- Great working knowledge on container technology Docker and Kubernetes and Docker Swarm.
- Designed Kubernetes cluster(EKS) and created using Terraform templates.
- Writing Kubernetes manifest files like Deployments, Service, Configmap, Ingress files and other required files.
- Performing cluster deployments, rolling upgrades and HPA, Cluster Auto-scaling.
- Extensive utilization of Dockerfile for building images in QA/Staging environments.
- Excellent working knowledge on AWS services like EC2, EBS, ELB, S3, VPC, RDS & IAM.
- Automated end-to-end infrastructure deployment on AWS with Terraform.
- Managed and improved upon cloud infrastructure services and primitives using Terraform.
- Designed and implemented cost-optimization improvements to pre-existing AWS Cloud infrastructure with AWS Cost Explorer.
- Infrastructure Monitoring with node exporter, Prometheus & Grafana.
- Elasticsearch Logstash Kibana(ELK) setup for log aggregation and visualization application logs.

EDUCATION

- **B. Tech** – 2017 with 70%.
- Audisankara College of Engineering & Technology – Gudur.

EXPERIENCE

Company Name: Nuvama Wealth Management Limited

Designation - DevOps Engineer

FEB- 2023 to Present- Bangalore

Company Name: Excellerate Software Solutions Private Limited

Designation - DevOps Engineer

DEC - 2021 to OCT-2022 - Hyderabad

Company Name: Wipro IT Corporation

Designation - Software Engineer

APR - 2019 to DEC-2021 - Hyderabad

Recent Projects

nuvama Application:

- Setting up the new build environment for various applications in **Linux** environment. Managed to organizational standards by maintaining the source code in GitHub for various micro service applications.
- Creating and maintaining the development and stage branches on **Git**.
- Using **Maven** as a build tool, automate the process of building and storing artifacts in **nexus** repository.
- Installing **Jenkins** and setting up **Master** and **Slave** configuration to implement multiple parallel builds.
- Implementing continuous integration & continuous deployment with Jenkins pipeline job and installing required plugins and setting up the tool for deployment.
- Used **AWS** services like **EC2, S3, EBS, ELB, VPC, subnets, Route tables, NAT, IGW, TGW** for building infrastructure.
- Participates in the design and implementation phases for new and existing products, with a focus on **AWS** technical knowledge for successful execution of the requirements.
- Used **Docker Container** for running different individual services and optimizing the infrastructure cost.
- Automating the manual process by writing the **Shell Scripts**.
- Designed Kubernetes cluster(EKS) and created using Terraform templates.
- Writing Kubernetes manifest files like Deployments, Service, Configmap, Ingress files and other required files.
- Primary responsibilities include Build and Deployment of the java applications onto different Environments like **QA, UAT and Production**.
- Production environment support activities which include major release or emergency hot fix deployments, scheduling and coordinating with client regarding Operational Job Cycles or any activities.
- Created dashboards in Grafana for infrastructure visualization like CPU, RAM, Storage and etc.

ESS Healthcare Portal:

- Develop scripts for infrastructure configuration and deployment automation using shell.
 - Launching **Amazon EC2 Cloud Instances** using Amazon Web Services (Linux) & configuring launched instances with respect to specific applications.
 - Installing and configuring applications like Jenkins, SonarQube, nexus, Docker, Ansible in Linux environments
 - Creating Ansible play-books for auto-provisioning of test environments using Docker and auto deployment of artifacts.
 - Implementation of container-based architecture and created **Dockerfile** for base Docker images.
 - Managing **Docker** containers for different Environment. (DEV, UAT, STAGE & PROD etc.)
 - Implemented Continuous Integration using **Jenkins**.
 - Creating AWS services like EC2, S3, Elastic Load Balancer (**ELB**) and Auto-scaling groups.
- Creating IAM roles and users, attaching required roles to EC2 instances and involved in creating custom IAM policies to various groups defined within the organization.