VENKATESH LAVETI

AWS DevOps Engineer

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Motivated DevOps Engineer with hands-on project experience in automating CI/CD pipelines, containerized deployments, and AWS cloud infrastructure. Skilled in tools like Jenkins, Docker, Kubernetes, Terraform, and Git, with a strong focus on automation and efficient software delivery.

PROFESSIONAL SUMMARY

- DevOps Engineer with hands-on experience in CI/CD automation, containerized deployments, and AWS cloud infrastructure.
- Strong in AWS core services including EC2, VPC, IAM, S3, ELB, Auto Scaling, Route 53, CloudWatch, and SNS.
- Capable of designing VPC architectures with subnets, NAT gateways, routing, and secure network controls.
- Practical experience with Ansible for configuration management and writing playbooks/roles for automation.
- Skilled with Docker, Kubernetes basics, and terraform for infrastructure provisioning and IAC workflows.
- Solid understanding of Red Hat and Ubuntu administration, system setup, patching, and troubleshooting.
- Good command of Git for version control, Maven for builds, and Jenkins for end-to-end CI/CD pipelines.
- Able to write shell scripts for task automation and create user-data scripts for cloud provisioning.
- Familiar with Kubernetes components, deployments, services, and writing YAML manifests for microservices.

EDUCATION

- Graduated in BSc. Electronics | MAY 2025 |7.57 CGPA |ADIKAVI NANNAYA UNIVERSITY Rajahmundry, AP
- Intermediate IN MPC | March 2022 | 6.47 CGPA | Gayatri Junior college, Kanavaram, AP
- SSC |Mar 2020 | 9.4 CGPA | MGZPP High School, Dosakalayalapalli, AP

SOFT SKILLS

- Problem Solving, Team Collaboration, Adaptability, Communication, Quick Learning

CERTIFICATIONS

- Cloud DevOps Trainee – Tech Expert Solutions, Bangalore **(JUNE 2025 – NOV 2025)**

TECHNICAL SKILLS

Operating Systems	: Linux (Ubuntu, RED Hat) and Windows.
Version Control Tools	**:** GIT, GitHub
Scripting	**:** Shell
CI/CD	**:** Jenkins
Cloud Platforms	**:** AWS
Containerization Orchestration	**:** Docker, Kubernetes
Build Tool	**:** Maven
Continuous Deployment	**:** Ansible
AWS Services	: AWS EC2, IAM, VPC, EBS, Auto Scaling, Route 53, S3.
Monitoring Tools	**:** CloudWatch, Cloud trail, Cloud front
Project Management Tools	**:** Jira
Security & Artifact	**:** SonarQube, Nexus

PROJECTS

Project 1: WEBBASED APPLICATION DEPLOYMENT AS MICROSERVICES and MONITORING DevOps Automation for Infrastructure Provisioning & CI/CD **JUNE 2025 -NOV 2025**

Description:

Automated AWS infrastructure provisioning using Terraform for EC2, S3, IAM, and DynamoDB remote state. Built end-to-end CI/CD pipelines in Jenkins to deploy a microservices-based web application. Managed incidents and changes through ServiceNow while coordinating with cloud and network teams. Improved deployment speed, reduced manual effort, and ensured stable, scalable AWS environments.

Environment / Tools Used: AWS (EC2, S3, IAM, DynamoDB) · Terraform · Jenkins · DevOps · GitHub · Visual Studio Code · Linux (Git Bash) · ServiceNow (Incident, Change, Task Management)

- Designed and implemented infrastructure provisioning using **Terraform** to manage AWS resources (EC2, S3 bucket, IAM roles, and DynamoDB for state file locking).
- Configured **Jenkins** pipelines integrated with GitHub to automate build, test, and deployment processes.
- Installed and configured **Jenkins and Terraform** on AWS EC2 instances to support CI/CD and Infrastructure as Code practices.
- Developed and managed **IAM roles and policies** for secure access management.
- Implemented **S3 bucket and DynamoDB** backend for remote Terraform state management, ensuring collaboration and preventing conflicts.
- Automated software delivery workflows using **Jenkins pipelines** linked to Terraform automation scripts.
- Managed **incident, change, and service requests in ServiceNow (Snow)**, including GTR handling and task development for ongoing enhancements.
- Supported **development teams** by breaking down stories into tasks, collaborating on feature delivery, and ensuring CI/CD pipeline reliability.
- Coordinated with networking teams to integrate infrastructure components with cloud deployments.
- Improved deployment efficiency, reduced manual effort, and ensured high system availability across environments.