

Shivshankar Kasapnor

Cloud & DevOps Engineer | AWS | Kubernetes | Docker | Terraform | CI/CD | Linux

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PROFESSIONAL SUMMARY

Cloud & DevOps Engineer with hands-on experience building CI/CD pipelines, deploying and supporting containerized applications on AWS using Docker, Kubernetes, Jenkins, GitHub Actions, and Terraform. Strong foundation in Linux, cloud operations, infrastructure automation, monitoring, troubleshooting, and cloud security. Experienced in Kubernetes deployments, production support, and cloud-native environments and microservices deployments.

TECHNICAL SKILLS

Cloud: AWS (EC2, S3, IAM, VPC, RDS, CloudWatch, Security Groups)

Containers: Docker, Kubernetes (Pods, Deployments, ReplicaSets, Services, ConfigMaps, Secrets, HPA, Namespaces, kubectl)

CI/CD & IaC: Jenkins, GitHub Actions, Terraform

Monitoring: Prometheus, Grafana, AWS CloudWatch

Programming: Python, Shell Scripting

OS & Version Control: Linux, Windows, Git, GitHub

Networking: TCP/IP, DNS, HTTP/HTTPS, Load Balancer, VPC, Subnets

Concepts: Cloud Operations, DevOps, Microservices, Production Support, Troubleshooting, SRE

PROJECTS

DevOps-Enabled Billing & Shop Management System — Laxmi Traders (Production)

Tools: AWS EC2, Docker, Kubernetes, GitHub Actions, Git, Prometheus, Grafana

- Designed and implemented an automated **CI/CD pipeline** using **GitHub Actions** for a production billing application, enabling reliable and repeatable deployments.
- Containerized the application using **Docker**, ensuring consistency across development, testing, and production environments.
- Deployed and supported containerized applications on Kubernetes using Deployments and Services, validated deployments, monitored workloads, and performed basic troubleshooting to ensure reliable production environments.
- Provisioned and managed **AWS EC2 (Linux)** instances to host the production application with secure and reliable infrastructure.
- Configured Prometheus, Grafana, and AWS CloudWatch dashboards to monitor application availability, resource utilization, container health, and system performance.
- Improved deployment reliability through infrastructure automation, container orchestration, and automated CI/CD workflows.

Automated CI/CD Pipeline for Java Application

Tools: Jenkins, GitHub Actions, Docker, Docker Hub, AWS EC2, Git

- Designed and implemented an end-to-end Jenkins CI/CD pipeline.
- Integrated GitHub Actions for automatic pipeline execution.
- Published Docker images and deployed applications on AWS EC2.
- Reduced manual deployment effort by 80% through CI/CD automation.

EDUCATION

B.E. Electronics & Telecommunication — SFIT, Mumbai University | 2022–2025 | CGPA: 7.0

Diploma in Electronics & Telecommunication — VAPM, Latur | 2019–2022 | 78.97%

CERTIFICATIONS

- DevOps & Cloud Computing** — Naresh IT Technologies: Linux, Git, Docker, Kubernetes, Jenkins, AWS, Terraform
- 19th Aavishkar Research Convention (Zonal Round) University of Mumbai