

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 cloud infrastructure operations, Kubernetes administration, production support, monitoring, troubleshooting, and cloud-native environments with a strong understanding of Linux systems and cloud operations.

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, Infrastructure Monitoring, 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, monitored, and supported containerized applications on Kubernetes using Deployments and Services, validated deployments, monitored pod health, analyzed logs, and performed troubleshooting to maintain production availability.
- Provisioned, configured, and managed Linux-based AWS EC2 instances while performing configuration updates and infrastructure maintenance.
- Configured Prometheus, Grafana, and AWS CloudWatch dashboards to monitor infrastructure health, application availability, container performance, and system resources.
- 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