

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 containerized applications, Kubernetes platforms and CI/CD workflows using AWS, Docker, Kubernetes, Jenkins, GitHub Actions and Terraform. Strong foundation in Linux, cloud operations, infrastructure automation, monitoring and troubleshooting. Built NimbusOps, a full-stack Kubernetes management platform integrating Spring Boot, React, Kubernetes APIs, PostgreSQL, Prometheus and Grafana.

TECHNICAL SKILLS

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

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

CI/CD & IaC: Jenkins, GitHub Actions, Terraform Monitoring: Prometheus, Grafana, AWS CloudWatch

Programming: Java, Python, Shell Scripting

Backend & Frontend: Spring Boot, REST APIs, React, TypeScript

Database & Version Control: PostgreSQL, Git, GitHub

OS & Networking: Linux, Windows, TCP/IP, DNS, HTTP/HTTPS, Load Balancer, VPC, Subnets

PROJECTS

NimbusOps — Kubernetes Management Platform

Tools: React, TypeScript, Java 21, Spring Boot, Kubernetes, Docker, PostgreSQL, Prometheus, Grafana, Spring Security, JWT

- Built a full-stack Kubernetes management platform using React, TypeScript, Spring Boot and Java 21 for managing Kubernetes workloads and cluster resources through a web interface.
- Implemented management workflows for Deployments, Pods, Services, ConfigMaps, Secrets, Namespaces, Nodes, StatefulSets, DaemonSets, Jobs/CronJobs, Ingress and storage resources.
- Implemented JWT authentication, Spring Security, role-based access control, user management and role/permission management.
- Added Pod logs, Kubernetes events and Pod terminal/exec functionality for operational troubleshooting.
- Integrated Prometheus and Grafana for monitoring and added dashboard, alerts and AI-assisted platform features.
- Containerized the application with Docker and integrated the platform with Kubernetes and PostgreSQL.

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 workflow using GitHub Actions for repeatable application deployments.
- Containerized the application using Docker and deployed workloads on Kubernetes using Deployments and Services.
- Configured AWS EC2 Linux infrastructure and monitoring with Prometheus, Grafana and AWS CloudWatch.

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