

DEEPAK PATEL

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Professional Summary

DevOps Engineer with hands-on experience designing CI/CD pipelines, deploying containerized workloads on AWS EKS, and automating infrastructure using Terraform. Certified Kubernetes Administrator (CKA) with strong practical exposure to cloud-native deployments and observability-driven operations through production-oriented projects.

Experience

Magic Bus India Foundation — [View Certificate](#) Jun 2024 – Sep 2024
AWS re/Start Program – Trainee On-site, Thane

- Executed cloud and DevOps workflows in a structured training program delivered in collaboration with Accenture
- Built and deployed cloud-based workloads using AWS EC2, VPC, IAM, and S3
- Containerized applications using Docker and deployed them on Kubernetes as part of hands-on labs

Technical Skills

Cloud Services: AWS (EC2, VPC, IAM, EKS, ALB, S3, Route 53, CloudWatch)

Containerization & Orchestration: Docker, Kubernetes

CI/CD & GitOps: Jenkins, GitHub Actions, Argo CD

Infrastructure as Code: Terraform, Ansible

Monitoring & Observability: Prometheus, Grafana, ELK Stack

Programming & Scripting: Python, Bash

Version Control: Git, GitHub

Operating Systems: Linux (Ubuntu)

Projects

1. DevSecOps Starbucks Clone Application — [Code](#) [Live](#)

- Built a DevSecOps CI/CD pipeline using Jenkins with 10+ stages, enforcing automated code quality and container security checks via SonarQube and Trivy
- Implemented multi-stage vulnerability scanning across source code and Docker images to prevent insecure workloads on Amazon EKS
- Automated Docker image build, registry push, and Kubernetes deployments for repeatable, zero-touch releases
- Enabled real-time observability by integrating Prometheus and Grafana for application and cluster monitoring

2. OpenTelemetry E-Commerce Platform — [Code](#) [Implementation](#)

- Implemented CI/CD and GitOps workflows using GitHub Actions and Argo CD for zero-touch microservice deployments
- Deployed and operated 20+ microservices on Amazon EKS with controlled scaling and rollout strategies
- Provisioned AWS infrastructure including EKS, VPC, IAM, and ALB using Terraform to eliminate configuration drift
- Improved debugging and incident response through centralized observability using Prometheus and Grafana

Certifications

Certified Kubernetes Administrator(CKA) – Linux Foundation (Score: 90%)

[View Credentials](#)

AWS Certified Cloud Practitioner (CLF-C02) – Amazon Web Services (Score: 84%)

[View Credentials](#)

Education

Master of Computer Application – Thakur Institute of Management Studies, Mumbai

2026 (Pursuing)

Bachelor of Science in Information Technology – Anna Leela College, Mumbai

2024 (CGPA: 7.9)

Activities & Achievements

- Share technical vlog on Hashnode, documenting DevOps concepts and certification preparation
- Engage in challenge-based DevOps learning, consistently practicing tools and workflows through hands-on implementations
- Served 2 years in the National Service Scheme (NSS), contributing to social welfare initiatives while developing teamwork, leadership, and organizational skills