

Khushal Bhavsar

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Education

KDK College of Engineering

B.Tech Electronic And Telecommunication Engineering - CGPA - 8.00

2021 – 2025

Nagpur, Maharashtra

Experience

Cloudnautic

July 2025 - Present

Role - DevOps Intern

Pune, Maharashtra (On-site)

- Contributed to real-world **Cloud and DevOps projects** on **AWS**.
- Built and automated **CI/CD pipelines** using **Jenkins** and **GitHub Actions**.
- Implemented **Infrastructure as Code (IaC)** with **Terraform** and **CloudFormation**.
- Containerized applications using **Docker** and orchestrated deployments on **Kubernetes (EKS)**.
- Gained hands-on experience in **monitoring, automation, and cloud-native architecture deployment**.

Technical Skills

Programming & Scripting: Python, Bash

Version Control: Git, GitHub, Gitlab

CI/CD Tools: Jenkins, GitHub Actions

Containers: Docker (build, run, push images)

Container Orchestration: Kubernetes

Cloud Platforms: AWS (EC2, S3, IAM, RDS, EKS)

Infrastructure as Code (IaC): Terraform (provision EC2, VPC)

Monitoring & Observability: AWS CloudWatch, Prometheus, Grafana

Operating Systems: Linux (Ubuntu, Amazon Linux)

Projects

Node.js App Deployment On AWS EKS | Node.js, Docker, Kubernetes, AWS EKS

- Containerized and deployed a Node.js app on AWS EKS using ECR, improving deployment speed by **70%**.
- Configured IAM roles, RBAC, and LoadBalancer for secure and scalable cluster access.
- Implemented HPA and CloudWatch monitoring ensuring **99.9% uptime** and rapid fault recovery.
- Performed rollout strategies and health checks using **kubectl**, reducing deployment failures by **50%**.

TodoApp CI/CD DevOps Pipeline | Node.js, Jenkins, Docker, Kubernetes, SonarQube, Monitoring

- Built an automated **CI/CD pipeline** using **Jenkins** with **GitHub webhooks** to enable continuous integration and deployment with **zero manual approvals**.
- Containerized** the application using **Docker** and automated publishing of **versioned images** to Docker Hub for reliable deployments.
- Deployed** the application on **Kubernetes** using **Ingress, ConfigMaps, and HPA** to ensure **scalability and secure configuration management**.
- Integrated **Prometheus metrics** and **Grafana dashboards** to monitor **performance, request latency, and system health** in real-time.

Student Management System AWS Serverless | Lambda, API Gateway, DynamoDB

- Built a scalable serverless CRUD application using Lambda + API Gateway achieving **zero server maintenance**.
- Implemented secure data handling with DynamoDB encryption and least-privilege IAM policies, reducing security risk by **40%**.
- Enabled CORS and API authorization for secure frontend integration.
- Utilized CloudWatch logs and metrics, reducing debugging time by **30%**.

Certifications

- AWS Course Completion Certificate - Ethan's Tech