

EXPERIENCE

- DevOps Engineer** Jun 2024 – Present
Haber Water Pune, India
 - Developed backend services and DevOps automation platforms using Python/Node.js, REST APIs, Docker, and Kubernetes, reducing manual workflows by 50% and improving deployment efficiency.
 - Designed and maintained microservices architecture across 10+ services with secure communication, improving scalability and modularity.
 - Engineered high-throughput Kafka pipelines processing 400GB data, achieving 3x performance improvement and enabling near real-time analytics.
 - Implemented CI/CD pipelines, observability stacks (Grafana, ELK), and Kubernetes auto-healing systems, reducing production failures by 40% and improving uptime.
 - Contributed to ISO 27001 and SOC 2 compliance initiatives by implementing security best practices, access controls, infrastructure hardening, monitoring, audit readiness, and operational security processes across cloud and DevOps environments.
 - Worked in Agile development environments focusing on monitoring, alerting, failure recovery, infrastructure automation, and system reliability engineering practices.
- DevOps Intern** Jul 2023 – May 2024
Haber Water Pune, India
 - Developed and deployed containerized backend services using Docker and REST APIs, improving application performance by 40%.
 - Automated infrastructure provisioning and deployment workflows using Terraform, Docker, CI/CD pipelines, and Python/Bash scripting.
 - Managed MySQL databases with optimized queries, indexing, and automated backup strategies for high availability. Configured Nginx reverse proxy, load balancing, and secure routing for production-grade services.
- Research Intern** Mar 2023 – May 2023
IIT Hyderabad Hyderabad, India
 - Optimized transaction scheduler in Hyperledger Sawtooth using multi-threading, improving distributed execution efficiency.
 - Researched distributed consensus mechanisms focusing on scalability, fault tolerance, and system performance.

SKILLS

Languages: Python, Java, C++, JavaScript, Bash

Backend & Distributed Systems: REST APIs, Microservices, Node.js, Express, Kafka, Event-driven Architecture, High-throughput Systems

Databases: MySQL, PostgreSQL, InfluxDB, NoSQL Basics

Cloud/DevOps: AWS, GCP Basics, Kubernetes, Docker, Terraform, Jenkins, Maven, GitLab CI/CD, Helm

Monitoring & Infrastructure: Linux/UNIX, Grafana, ELK, Prometheus, Infrastructure Automation, System Reliability Engineering

AI/Automation: GenAI Tools, Copilot, Cursor, LLM Workflows, AI-assisted Development, DevOps Automation

PROJECTS

- Enterprise SDLC Platform on AWS:** Designed and implemented an end-to-end CI/CD and deployment platform using AWS, Kubernetes, Jenkins, Docker, Terraform, and GitLab CI/CD with automated build, testing, deployment, monitoring, and rollback workflows for microservices applications.
- Cloud DevOps Toolkit:** Built Python CLI for AWS resource orchestration, deployment automation, and infrastructure management across EC2, EKS, Lambda, and S3 (GitHub).
- Real-time Data Pipeline:** Designed Kafka-based distributed event-driven system for scalable ingestion and real-time processing of high-volume industrial data streams.
- K8s Auto-scaling & Observability:** Implemented Kubernetes HPA/VPA with Prometheus, Grafana, and containerized workloads, improving resource efficiency and production monitoring capabilities.

EDUCATION

B.Tech, Computer Science

2020–2024

Silicon Institute of Technology

CGPA: 9.57