

Sandhya Kumari

DevOps Engineer

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Professional Summary

Proactive **DevOps Engineer** with strong hands-on experience in **Cloud Computing (AWS/Azure)** and **Infrastructure as Code (Terraform)**. Proficient in building and maintaining robust **CI/CD pipelines** using Jenkins and Git. Expert in containerization with **Docker** and orchestration using **Kubernetes**. Skilled in **Python** and **Bash scripting** to automate operational workflows and optimize system reliability. Eager to drive operational excellence and accelerate software delivery in a dynamic engineering environment.

Technical Skills

Cloud Infrastructure	AWS (EC2, S3, EKS, RDS), Azure, CloudFormation
DevOps Tools	Docker, Kubernetes, Jenkins, Terraform, Ansible, Git/GitHub
Scripting & OS	Python, Bash/Shell Scripting, Linux Administration (Ubuntu/CentOS)
Monitoring	Prometheus, Grafana, ELK Stack, CloudWatch
Core Competencies	CI/CD Automation, Infrastructure as Code (IaC), Microservices, High Availability

Technical Experience

- 07/2025–Present **DevOps Engineer Intern, DevOps Quest, Infrastructure Automation**
- CI/CD Pipelines:** Designed and implemented automated **CI/CD pipelines** using **Jenkins**, reducing manual deployment time by **40%** and ensuring consistent releases.
 - Infrastructure as Code:** Provisioned and managed scalable cloud infrastructure on **AWS** using **Terraform**, ensuring reproducible environments for development and production.
 - Container Orchestration:** Deployed and orchestrated microservices applications using **Docker** and **Kubernetes** clusters, improving application scalability and resource utilization.
 - Monitoring Setup:** Configured **Prometheus** and **Grafana** dashboards to monitor system health metrics, proactively identifying bottlenecks before they impacted users.
- 07/2024–12/2024 **Software Developer, FOODISTA, Deployment & Operations**
- Deployment Automation:** Automated backend deployment processes using **Bash scripting** and Linux cron jobs, significantly reducing downtime during updates.
 - Cloud Hosting:** Managed the hosting and configuration of the web application on cloud servers, ensuring **99.9% uptime** and high availability for 1,000+ daily users.
 - Database Maintenance:** Performed regular database migrations and backups for **MongoDB**, ensuring data integrity and rapid disaster recovery capabilities.
 - Performance Optimization:** Optimized server configurations and load balancing strategies to handle peak traffic during lunch hours efficiently.

Education

- 2022–2026 **B.E. Computer Science (Specialization in DevOps), Chandigarh University, Punjab**
CGPA: 7.65
Relevant Coursework: Cloud Computing, DevOps Methodologies, Linux Administration, Network Security.
- 2022 **Intermediate (Class XII), KV AFS High Grounds, Chandigarh, 82%**

Academic Research & Projects

- 01/2023–03/2023 **Research Analyst, Systems Architecture**
- Infrastructure Analysis:** Analyzed the architecture of large-scale distributed systems, researching best practices for **scalability** and fault tolerance in cloud environments.
 - Security Practices:** Investigated **DevSecOps** principles to integrate security checks early in the development lifecycle, ensuring secure infrastructure deployment.

Certifications & Interests

- Certifications **Oracle Cloud Infrastructure Generative AI Professional**
- Interests **Automating Workflows, Cloud Native Technologies, Open Source Contributions, Linux Internals**