

Mohan Udayana

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Professional Summary

DevOps Engineer with 3.6 years of experience designing, implementing, and managing CI/CD pipelines, infrastructure automation, and cloud-based solutions. Proficient in tools like Docker, Kubernetes, Jenkins, Terraform and AWS, with a strong focus on improving deployment efficiency and system reliability. Skilled in collaborating with cross-functional teams to streamline development processes and ensure scalable, secure, and high-performance systems.

Experience/Projects

Infosys Ltd

Sept 2023 – Present

DevOps/SRE Engineer | Charter Communications

Hyderabad, India

- Automated end-to-end **CI/CD** pipelines for microservices using Jenkins integrated with **Git** and **Maven**, reducing deployment time by **30%**..
- Containerized over **30+ microservices** using **Docker**, accelerating build consistency and deployment speed.
- Deployed and orchestrated containerized workloads on **Kubernetes (EKS)**, ensuring high availability and load balancing via replica sets and horizontal scaling.
- Implemented **blue-green** and **canary** deployments in Kubernetes for safe, zero-downtime application rollouts.
- Configured **Prometheus** and **Grafana** dashboards for infrastructure and app monitoring, improving incident response by **40%**.
- Standardized runtime environments across dev, QA, and production using **Docker images**, resolving environment mismatch issues.
- Built and managed scalable, production-ready **AWS infrastructure** using **Terraform**, enabling rapid and consistent provisioning across environments
- Integrated **Trivy** and **SonarQube** into CI pipelines to enforce security and code quality standards .
- Set up **Argo CD** for declarative **GitOps** deployment of Kubernetes manifests, enabling automated, version-controlled, and auditable application delivery.

Infosys Ltd

June 2022 – Aug 2023

DevOps Engineer | Finacle Core Banking

Hyderabad, India

- Automated infrastructure provisioning across **multi-region AWS environments** using **Terraform**, with reusable modules to ensure version control and consistency.
- Developed and maintained robust **Ansible playbooks** for configuration management, automating both initial provisioning and post-deployment steps across all environments.
- Implemented **GitFlow branching strategy** to support parallel development and enhance team collaboration on legacy codebases.
- Reduced manual setup time by **50%** by automating dependency installation and environment configurations.
- Collaborated with application and operations teams to manage infrastructure changes through **Git version control**, ensuring compliance and traceability.
- Provided production support and deployment for **Finacle (10x/11x)** applications across clients like **ICICI, Axis, DBS** by building Docker images, orchestrating services on Kubernetes, and ensuring high availability of **MySQL** databases.
- Troubleshoot pod failures across Kubernetes clusters leveraged kubectl, logs, and monitoring tools to restore services quickly, minimizing incident impact and improving system reliability

Skills

- OS:** Windows, Linux
- Cloud Platform:** AWS
- Source Control:** Git, GitHub
- CI/CD:** Jenkins, ArgoCD
- Build Tool:** Maven
- Containerization & Orchestration:** Docker, Kubernetes
- Infrastructure as Code:** Terraform
- Configuration Management:** Ansible
- Monitoring & Logging:** Prometheus & Grafana, CloudWatch
- Security Tools:** SonarQube, Trivy
- Artifact Management:** Nexus
- Database:** AWS RDS (MySQL)
- Scripting:** Shell ,Groovy, YAML
- Methodologies:** Agile, Scrum, SDLC

Certifications

- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner

Education

Raghu Engineering College,
B.Tech – Mechanical Engineering | CGPA - 7.9

Visakhapatnam, India
2017 - 2021