Sahil Shivalkar

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PROFILE SUMMARY

DevOps Engineer focused on automating the software lifecycle through IaC and GitOps. Dedicated to building scalable and self - healing infrastructure.

EDUCATION

Finolex Academy of Management & Technology   *Ratnagiri, Maharashtra*
Bachelor's In Electronics & Telecommunication   *2021 – 2025*
- Secured 4th rank in Inter - College Project Competition
- Top 5% in Academics

SKILLS

Technical skills:

Tools: Docker, Kubernetes, Jenkins CI/CD, Shell scripting, ArgoCD, Prometheus, Grafana, Terraform

PROJECTS

End-to-End GitOps Pipeline for Resilient 3-Tier Microservices
- Engineered a fully automated GitOps CD pipeline using ArgoCD.
- Implemented StatefulSets with Persistent Volume Claims(PVCs) for MongoDB.
- Configured Prometheus and Grafana for monitoring crucial system parameters alongside Liveness/Readiness probes to ensure 100% application availability.

Multi-Container Web Application with Docker
- Orchestrated a 2-tier architecture using Docker Compose.
- Integrated automated healthchecks and service dependencies.

Automated AWS Infrastructure Provisioning with Terraform
- Programmed reusable Terraform modules for EC2 instance deployment, reducing infrastructure setup time by 90%.
- Automated server configuration using User Data scripts to deploy and enable Nginx web server.

AI Idea Generator
- Containerized multi-service architecture using Docker, reducing deployment time by 50%.
- Streamlined software delivery by implementing GitHub Webhooks for automated pipeline triggers.

ACHIEVEMENTS

- Technical Head of the Department Committee in University.
- Won cash prize in Inter - College Project Competition