



Sai Ganesh

Senior DevOps & Operability Engineer

CONTACT

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SKILLS

CLOUD & IAC

- AWS
- Azure
- Terraform
- Terragrunt
- Ansible
- Packer
- Vault

CONTAINERS & ORCHESTRATION

- Kubernetes
- OpenShift
- Docker
- Helm
- Colima
- Istio

CI/CD & OBSERVABILITY

- GitHub Actions
- Octopus
- GoCD
- Jenkins
- Grafana
- Prometheus
- New Relic
- SonarQube

LANGUAGES & DATA

- Go
- Clojure
- Kotlin
- Bash
- JavaScript
- React
- Spring Boot
- Kafka
- PostgreSQL
- MongoDB
- MySQL
- Elasticsearch

CERTIFICATIONS

- > AWS Solutions Architect Associate (CSAA)
- > Certified Kubernetes Administrator CKA
- > Linux Foundation Certified SysAdmin LFCS

PUBLICATION

- > POSIT arithmetic on hardware CARRV 2020 · published paper

LANGUAGES

English · Hindi · Telugu · Marathi

PROFILE

Cloud DevOps and Kubernetes specialist with 7+ years of experience – including overseas exposure – driving scalable, secure, and efficient cloud-native solutions. Strengths across AWS/Azure migration and cost optimization, Kubernetes & OpenShift operations, CI/CD for microservices, disaster-recovery automation, and end-to-end observability. Currently building infrastructure for data and ML/AI platforms. Known for rapidly onboarding projects, writing robust documentation, and delivering under tight deadlines.

EXPERIENCE

Senior Operability Engineer · Equal Experts Nov 2025 – Present

- Build and operate the infrastructure behind a data platform processing huge volumes of data.
- Provision and manage infrastructure for multiple MCPs (Model Context Protocol servers).
- Build automated, per-dataset infrastructure so each dataset gets a reliable, repeatable pipeline.
- Own end-to-end monitoring & observability; run CI/CD with GitHub Actions and Octopus Deploy.

Senior DevOps Consultant · Emirates NBD Apr 2025 – Oct 2025

- Built several Terraform modules for the AWS landing-zone setup.
- Designed the landing-zone architecture following AWS whitepaper best practices.
- Installed OpenShift clusters in a disconnected AWS environment.

Senior Infrastructure Consultant · Thoughtworks Jul 2018 – Mar 2025

Consultant → Senior Infrastructure Consultant · Finance, Retail & R&D engagements

- Led on-premises → AWS migrations across multiple projects and built reusable Terraform/Terragrunt modules (security groups, S3, SNS, SQS).
- Re-architected and scaled Elasticsearch, saving **~₹5L/month**; cut non-prod AKS costs **~60%** via an automated stop/start scheduler.
- Automated cross-region disaster recovery for a **6-10 TB PostgreSQL RDS**, plus Elasticsearch and MongoDB DR strategies.
- Cut onboarding from 4-5 days to 2; trimmed CI/CD load by fixing and removing redundant pipelines; integrated **Vault CSI** for secrets.
- Built a private bare-metal Kubernetes cluster (ingress-nginx, Grafana, Prometheus, Harbor) with Docker images and Helm charts.
- Established an independent deployment path, cutting time-to-prod from a month to a week; decommissioned a bottleneck microservice with **zero downtime**.
- Upgraded the Istio service mesh dev→prod in **under 2 weeks**; integrated SonarQube and Polaris for code-quality and delivery metrics.
- Led a Docker Desktop → Colima migration for **200+ engineers**; ran k8s/Docker/Terraform workshops as a global trainer.