

RAGHUBABU ANNAVARAPU

Senior DevOps Engineer · Cloud Platform · AI-Enabled Operations

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PROFESSIONAL SUMMARY

7+ years building secure, scalable cloud platforms on AWS and Azure with Terraform, Kubernetes (EKS), and CI/CD automation. Strong FinOps track record (~\$120k annual AWS savings, LLM token cost observability) and production reliability (drift detection, preflight gates, OpenTelemetry/SigNoz). Experienced in multi-environment governance, IAM-hardened data platforms, Scrut compliance, and AI-adjacent ops—token consumption pipelines, cross-cloud sync, and Grafana cost dashboards. Python/Bash automation to reduce toil; partners effectively with application, security, and SRE teams in multi-tenant SaaS environments.

TECHNICAL SKILLS

Cloud (AWS)	EC2, EKS, VPC, IAM, SSO, RDS (IAM auth), S3, SQS, CloudWatch, Athena, API Gateway
AI / ML Ops	LLM token usage & cost tracking, Python ingest pipelines, Grafana cost dashboards; GCP sync; edge ML (Greengrass)
IaC	Terraform, Terraform Cloud, modules, imports, drift detection, CodeCommit, GitHub
CI/CD	Jenkins, GitHub workflows, Ansible; build/test/deploy, PR checks, preflight validation
Containers	Docker, Kubernetes, EKS autoscaling
Security	IAM, encryption, Scrut compliance, MDM, RDS/Mongo IAM auth, audit remediation
Observability	OpenTelemetry, SigNoz, Prometheus, Grafana, Datadog, ELK, alerting
FinOps	Cost Explorer, spend dashboards, rightsizing, off-hours scheduling, token/API cost visibility
Scripting	Python, Bash, Ansible

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer I [E4] — DataOrb LLP Jun 2024 – Present
Remote · Multi-tenant SaaS / data platform

- Designed AWS infrastructure (Dev → Prod) with Terraform modules on Terraform Cloud; imported S3, SQS, SSO, EKS with governance guardrails.
- Automated drift detection and preflight checks—cut production deployment failures ~40%; strengthened pipeline/PR validation.
- Delivered ~\$120k annual cloud savings via cost-aware Terraform, off-hours scheduling, and Grafana dashboards for AWS spend and LLM token usage.
- Built Python pipelines ingesting token-consumption CSVs from multi-env S3 into Postgres (assume-role, manifest dedupe).
- Implemented OpenTelemetry + SigNoz and Grafana alerting for faster incident triage.
- IAM auth for MongoDB/RDS, Scrut compliance, MDM—~80% reduction in audit findings.

Tech: AWS · EKS · Terraform · Jenkins · Python · OTel · SigNoz · Grafana · Postgres · Scrut · Athena · GCP sync

DevOps Engineer — Thomson Reuters Apr 2023 – May 2024
Toronto · Contract · Azure & AWS

- Engineered Azure platforms with Terraform Cloud; reusable modules and GitHub IaC across Dev, QA, Stress, and Production.
- Hub-and-spoke network segmentation; automated state validation and drift detection for predictable releases.
- Optimized cloud spend ~18%; 3× faster peak provisioning; ~99.95% Terraform deployment success.

Tech: Terraform · Azure · Terraform Cloud · GitHub · AWS

Associate DevOps Engineer — Suvega Technologies Mar 2020 – Mar 2023
Hyderabad

- Jenkins & Ansible CI/CD; tightened pipeline checks reducing production incidents ~40%.
- Amazon EKS autoscaling; CloudWatch + Prometheus/Grafana monitoring; AWS IoT Core + Lambda pipelines.

Tech: Jenkins · Ansible · AWS · EKS · CloudWatch · Prometheus · Grafana

Systems Engineer — Edomotics Smart Systems

Feb 2018 – Mar 2020

Hyderabad

- AWS estate reliability; Jenkins + Docker + Kubernetes CI/CD (~40% shorter release cycles).
- MySQL RDS for persistent workloads with uptime-focused operations.

Tech: AWS · Jenkins · Docker · Kubernetes · MySQL RDS

EDUCATION & CERTIFICATIONS

Certifications (in progress): AWS Solutions Architect Associate · CKA · Terraform Associate

Graduate Certificate, IT — Algoma University, Toronto (Apr 2024)

B.Tech, Electrical & Electronic Engineering — NRI Institute of Technology (Apr 2016)