AAROH SETH

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Indian citizen · Open to global / remote roles (relocation-ready)

SUMMARY

Platform & DevOps engineer (final-year BCA, Cloud Computing) who builds production-grade infrastructure from scratch — AWS EKS, Terraform, Kubernetes, Istio, and Argo Rollouts. Shipped a self-healing progressive-delivery platform and an internal developer platform, each provisioned 100% as code with canary deployments, real-time observability, and automated rollback. Driven by reliability, automation, and developer experience. Targeting Platform Engineering, DevOps, and SRE roles internationally.

TECHNICAL SKILLS

Cloud & IaC: AWS (EKS, EC2, VPC, IAM, S3, RDS, Route 53, ECR, Lambda), Terraform (modules, remote state)
Containers & Orchestration: Kubernetes, Docker, Docker Compose, Istio (service mesh), Argo Rollouts
CI/CD & GitOps: GitHub Actions, Git, progressive / canary delivery, automated pipelines
Observability & SRE: Prometheus, Grafana, Alertmanager, Node Exporter, Kiali, SLIs, chaos engineering
Backend & Languages: Python, FastAPI, Java, Bash, REST APIs, React (Vite)
Identity & Security: Google OAuth, JWT, role-based access control (RBAC)

EXPERIENCE

IBM SkillsBuild Academic Internship — Gen AI & Cloud Computing *Jun 2026 – Jul 2026*
AICTE × IBM SkillsBuild (BharatCares) · Remote

- Selected for a competitive 6-week industry internship in Gen AI & Cloud Computing; completed a curated, project-based learning track with expert-led masterclasses.
- Built and deployed an AI-powered application on AWS, covering API architecture, data persistence, and cloud deployment best practices.
- Developed and presented a final capstone project aligned with the UN Sustainable Development Goals, applying prompt engineering and AI application development.

PROJECTS

Vibranium (VIB) — Internal Developer Platform for Kubernetes github.com/kaaaaash/vibranium
AWS EKS · Terraform · Argo Rollouts · FastAPI · React (Vite) · Google OAuth · ECR

- Built an internal developer platform that turns a multi-step Kubernetes deploy into one authenticated click on a live EKS cluster — ship a service in under 30 seconds, no YAML required.
- Engineered a FastAPI + React/Vite app with Google OAuth, JWT sessions, a deny-by-default RBAC model (4 roles × 5 permissions, namespace-scoped), and an append-only audit log of every action.
- Built an Argo Rollouts canary engine (8-step weighted advance) with live visualization and one-click rollback — 0% production blast radius in a live chaos test; 100% Terraform at ~$35 per full run.

Mission Shadow — Progressive Delivery Platform github.com/kaaaaash/mission-shadow
AWS EKS · Terraform · Istio · Argo Rollouts · Prometheus · Grafana · FastAPI

- Engineered a self-healing progressive-delivery platform on AWS EKS (Terraform-provisioned) running a FastAPI service behind an Istio service mesh.
- Configured Argo Rollouts canary with Istio traffic splitting (95/5) and weighted progression (20 → 40 → 60 → 80 → 100%), gated by Prometheus AnalysisTemplates on success-rate (99%) and P95 latency (300ms) SLIs every 30s.
- Auto-aborted failing rollouts in under 60s with zero downtime; chaos-tested with pod kills, forced 500s, and latency injection — 0 dropped requests at ~$35 total cost.

Harvey — Cloud Infrastructure Monitoring System github.com/kaaaaash/cloud-infrastructure-monitoring
AWS · Terraform · Docker · Prometheus · Grafana · Alertmanager · GitHub Actions · Slack

- Provisioned complete AWS monitoring infrastructure as code with Terraform (EC2, security groups, S3 remote state) — full teardown and rebuild in under 30 seconds via a single command.
- Deployed a 4-container observability stack (Prometheus, Grafana, Node Exporter, Alertmanager) on Docker, scraping CPU, memory, disk, and network metrics every 15 seconds.
- Authored Prometheus alert rules routing Slack notifications at >80% CPU and validated the FIRING → RESOLVED lifecycle under stress tests; ran on AWS Free Tier at $0 via a GitHub Actions CI/CD pipeline (plan on PRs, apply on merge).

EDUCATION

Bachelor of Computer Applications (BCA), Cloud Computing — Kristu Jayanti College (Autonomous), Bengaluru *Expected May 2027*
REVA PU College, Bengaluru — CS, Economics, Business Studies, Accountancy *2022 – 2024*

LEADERSHIP

- **President, Business Club — REVA PU College** (2023–24): Led a 70+ member organization and 8-person core team; ran 10+ events for 400+ attendees, growing participation 40%.
- **Clarity Consultant** (2023–Present): Run 1:1 career-strategy sessions and built AI-assisted planning templates used by 200+ users.