

YASH AGARWAL

Cloud / DevOps Engineer | AWS · Terraform · Kubernetes · Docker · CI/CD
Gwalior, India · Relocating to Bengaluru / Hyderabad / Pune / Chennai / Gurugram / Noida · Immediate joiner
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PROFESSIONAL SUMMARY

Cloud/DevOps engineer building and operating AWS infrastructure with Terraform IaC and GitHub Actions CI/CD pipelines. Hands-on with Kubernetes and EKS in platform builds, instrumented end-to-end with Prometheus, Grafana, Loki and OpenTelemetry. Uses Claude Code and Codex to scaffold Terraform modules, debug Kubernetes manifests and accelerate CI/CD development; aiming for senior cloud/platform engineering roles. AWS Certified Cloud Practitioner; Terraform Associate (Sep 2026) and AWS SAA-C03 (Oct 2026) scheduled.

CORE SKILLS

AWS: EC2, ECS, EKS, ALB, Route 53, VPC, IAM, S3, RDS, EBS, CloudWatch, ACM, cost optimisation

IaC & CI/CD: Terraform (modules, remote state), Kustomize, GitHub Actions (cloud + self-managed runners), GitOps, automated test/typecheck gates, Git, Bash

Containers & Orchestration: Docker, Docker Compose, Kubernetes (Deployments, StatefulSets, Jobs, Services, Ingress, ConfigMaps, Secrets, StorageClasses, HPA, RBAC, taints/tolerations), Helm

Observability: Prometheus (custom exporters), Grafana, Loki, OpenTelemetry, Jaeger, structured logging, health probes, alerting

Networking & Security: Traefik, Nginx, cert-manager, HTTPS/TLS, DNS, IAM policies, RBAC, secrets management

Backend & Data: Python, FastAPI, Celery, REST APIs, PostgreSQL/pgvector, Redis, MinIO/S3-compatible storage, backup & restore, Pytest

PROFESSIONAL EXPERIENCE

Cloud Engineer Intern — Growigh · Remote

Apr 2026 – Present

- Built and maintained GitHub Actions CI/CD pipelines to deploy 10+ Dockerised microservices to AWS, adding automated test and typecheck gates so every merge reaches a working deployment.
- Automated infrastructure provisioning with Terraform, building reusable IaC modules that cut environment setup and future configuration changes from hours to minutes.
- Helped instrument the services with Prometheus exporters, Loki log aggregation, OpenTelemetry/Jaeger tracing and Grafana dashboards (latency, error rate, queue depth, resource usage) to make incident triage easier.
- Contributed to reducing monthly infrastructure spend by ~15% by right-sizing compute and replacing some paid third-party APIs with self-hosted alternatives.

Technical Support Executive — Teleperformance (Adobe Inc.) · Hybrid

Jul 2024 – Apr 2026

- Deployment and hosting troubleshooting for enterprise web customers — the operational grounding behind the move into infrastructure.
- Root-caused and resolved 150+ web deployment issues across HTML/CSS/JavaScript and FTP/SFTP delivery workflows, cutting project downtime 40%.
- Supported 50+ enterprise users on Adobe Creative Suite through triage, root-cause analysis and escalation, holding a 75%+ satisfaction score.

ENGINEERING PROJECTS (SELF-DIRECTED)

Production-Grade App Deployment on AWS EKS (kind → EKS) — built and operated solo github.com/yashukun/kitaably

Kubernetes (kind → EKS) · Kustomize · Docker · Traefik · cert-manager · AWS · FastAPI · Celery · Redis · PostgreSQL/pgvector · Ollama

- Migrated an 18-service Docker Compose stack to **Kubernetes** (kind → EKS) using a **Kustomize** base with per-environment overlays, so one manifest tree serves dev and production.
- Modelled workloads with the right primitives — **Deployments**, **StatefulSets** (Postgres/pgvector, Redis), and idempotent **Jobs** for migrations and seeding.
- Split the backend into four independently scaled roles (API, Celery workers, LLM worker, beat) so slow model calls never block core request paths.
- Fronted the cluster with **Traefik Ingress** and **cert-manager** for automated TLS, backed by a **gp3 StorageClass** on the **EBS CSI driver**.
- Right-sized CPU-only LLM inference by isolating **Ollama** on a tainted node group with tuned resource limits and thread counts.

Focus Den — Self-Hosted Desktop App github.com/yashukun/Focus-Den

Tauri · React · TypeScript · GitHub Actions

- Shipped a standalone Tauri (Rust) desktop app over a React/TypeScript frontend, running fully local at zero server cost.
- Automated releases in GitHub Actions — a 3-stage gate (typecheck, test, build) on every push, then cross-platform packaging into macOS/Windows installers on each tag; 9 tagged releases in under 3 weeks with no manual upload step.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Applications (BCA) — ITM University, Gwalior

2021 – 2024

[AWS Certified Cloud Practitioner \(CLF-C02\)](#) · Issued Mar 2025 · Expires Mar 2028

In progress: HashiCorp Terraform Associate (004) — Sep 2026 · AWS Solutions Architect – Associate (SAA-C03) — Oct 2026