

Akshay Kocharekar

DevOps Engineer

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PROFILE

Full-stack developer specializing in **DevOps and cloud infrastructure**, with hands-on experience hardening AWS EC2 servers, running containerized workloads with Docker, automating CI/CD pipelines through GitHub Actions, and instrumenting **service-level monitoring with Prometheus and Grafana**. Comfortable owning the deployment lifecycle end to end — provisioning, configuration, monitoring, and troubleshooting. Currently deepening Kubernetes and Terraform. Seeking a **DevOps Engineer** role on a product engineering team.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS EC2, AWS S3, CloudFront, Cloudflare DNS, Linux (Ubuntu), Nginx, SSH & server hardening (UFW, Fail2Ban)

Containers & Orchestration: Docker, Docker Compose | Learning: Kubernetes, Terraform (IaC)

CI/CD & Monitoring: GitHub Actions, CI/CD pipeline design, security scanning, **Prometheus**, **Grafana**, SLOs, error budgets, burn-rate alerting

Backend & Data: Node.js, Express.js, REST APIs, Socket.io, MongoDB (Atlas), Redis

Frontend & Languages: React.js, Next.js, Tailwind CSS, JavaScript (ES6+), TypeScript, Python (basic), Bash

DEVOPS EXPERIENCE

Cloud Deployment, Containerization & Observability

2026 – Present

Self-Directed — Personal Projects

Margao, Goa

- Provisioned, hardened, and operated **AWS EC2** Linux servers across five self-directed projects spanning containerized monitoring, CI/CD, and static-site delivery.
- Deployed a **Prometheus** and **Grafana** monitoring stack via Docker Compose to track infrastructure metrics, application availability, SLOs, error budgets, and burn-rate alerting.
- Built a production-inspired **CI/CD pipeline** in GitHub Actions to build, test, security-scan, package, and publish a Node.js application.
- Wrote Bash automation for system health checks and log archiving; applied Git branching workflows across development and production environments.
- Documented architecture decisions, deployment notes, and runbooks for every project, following industry best practices.

PROJECTS

Monitoring & SLO Stack | *Docker Compose, Prometheus, Grafana*

- Built an observability stack tracking infrastructure metrics, application availability, SLOs, error budgets, and burn-rate alerting.
- Designed **Grafana** dashboards and **Prometheus** alerting rules to surface failure conditions and support fast incident response.

CI Pipeline | *GitHub Actions, Node.js*

- Built a production-inspired CI pipeline to build, test, security-scan, package, and publish a Node.js application.

Static Site Auto-Deploy | *AWS S3, CloudFront, GitHub Actions*

- Automated static-site deployment on S3 with GitHub Actions, delivered via CloudFront, DNS managed through Cloudflare.

Multi-Service Docker App | *Docker Compose, MongoDB, Redis*

- Containerized MERN application demonstrating multi-service orchestration, container networking, and volume management.

EasyCommute | *React, Node.js, Express, Socket.io, MongoDB*

- Full-stack real-time bus tracking platform with commuter, driver, and admin dashboards, role-based authentication, and live GPS updates over Socket.io.

EDUCATION

VVM's Shree Damodar College of Commerce & Economics

Bachelor of Computer Applications (BCA)

Margao, Goa

2023 – 2026