Majid Ali

Senior DevOps Engineer | AWS EKS & Kubernetes | CI/CD, Migration & Cloud Cost Optimization

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Summary

DevOps Engineer with 5+ years owning production infrastructure for customer-facing platforms across AWS and Azure. Cut a telemedicine platform's Azure spend ~88% ($12,000 to $1,500/month), led a live cross-cloud migration to AWS with both clouds in parallel, and architected a Kubernetes (AWS EKS/Fargate) microservices platform. Built multi-environment CI/CD that three product lines deploy through, plus Python and Bash tooling against production systems. Founded a consultancy earning $200K+ across 300+ applications built and 70+ published.

Technical Skills

Cloud & Infrastructure
– **AWS** (EKS/ECS/Fargate, Elastic Beanstalk, EC2, Lambda, Cognito, S3) – multi-cloud production operation
– **Kubernetes** container orchestration – EKS/ECS on Fargate, load-balanced microservices at scale
– **Docker** – containerized microservices, multi-environment deployment, reproducible builds
– Multi-cloud migration – Azure & AWS in parallel, legacy to managed services with minimal downtime

CI/CD & Automation
– **GitHub Actions** & GitLab CI – large multi-environment pipelines with automated quality gates
– Release automation – tag-triggered builds, version-consistency gating, auto-submit to app stores
– **Bash** & **Python** automation – deploy tooling, process management (PM2), custom ops tools

Observability & Operations
– Monitoring & observability – Azure Application Insights, dashboards, alerts, capacity planning
– Production support – three product lines, end-to-end troubleshooting across stack and network

Backend & Distributed Systems
– **Node.js/TypeScript** – Koa2, Express, microservices, event-driven architecture (NATS)
– Realtime & data systems – WebRTC, Socket.io, MySQL/PostgreSQL, Redis, ClickHouse/Redshift

Languages & Practices
– **Python** – custom ops tooling, MCP server development, data automation
– Documentation & collaboration – system design docs, runbooks, cross-functional delivery

Experience

Cloud Migration & Production Platform Operations Jun 2024 – Present
Technical Operations Lead, Sehat Kahani

- Led a live telemedicine platform's cross-cloud migration to AWS Elastic Beanstalk, operating Azure and AWS in parallel across blob storage, Cognito authentication, and application monitoring
- Owned production operations of three product lines of a healthcare platform handling protected patient data, driving Redis caching, multi-tenant schema evolution, and third-party penetration-test (VAPT) remediation
- Built a Python MCP server exposing a production Azure MySQL database as LLM-callable tools for schema introspection, read-only queries, and table management, behind a Chainlit natural-language chat interface

Technical Program Management & Multi-Tenant Environments Sep 2023 – Jun 2024
Senior Project Manager, Zetsol Technologies

- Led the technical program taking a national telemedicine platform into a new international market (UAE), managing the development team delivering its corporate, clinical, and retail product lines
- Coordinated enterprise integrations bringing major banking, insurance, and telecom partners onto a multi-tenant healthcare platform, each running as a white-labeled deployment with its own environment stack

Kubernetes, CI/CD & Event-Driven Microservices Dec 2022 – Sep 2023
Backend & DevOps Team Lead, BitsPro

- Architected and operated a containerized microservices platform on AWS EKS (Kubernetes) and ECS running on Fargate behind load balancers, with independently-deployable services communicating over an event bus
- Led a 4-person backend team building an event-driven microservices warehouse management system (Node.js, TypeScript, NATS Streaming) for a retail-first logistics operator, publishing shared service libraries to npm

- Owned the data-warehousing layer for warehouse inventory search across 3 fulfillment centers, migrating from Amazon Redshift to ClickHouse to cut infrastructure cost while preserving fast columnar queries
- Built CI/CD pipelines for a multi-service AWS deployment and integrated physical RFID scanning hardware into warehouse putaway and pick workflows, bridging software and warehouse-floor operations

Cloud Cost Optimization & CI/CD Ownership Mar 2021 – Dec 2022
Full Stack Developer → Development Team Lead, Zetsol Technologies

- Redesigned a national telemedicine platform's Azure infrastructure around Application Gateway, App Services, and Azure Functions, cutting monthly cloud spend from ∼$12,000 to ∼$1,500 — an ∼88% reduction
- Built and owned CI/CD for a production healthcare platform, automating lint, test, and deploy stages across five environments from dev to production, spanning three separate product lines on a shared codebase
- Built the real-time video and audio consultation engine for a telemedicine platform using WebRTC (OpenTok) on a Koa2/TypeScript backend with MySQL, plus PubNub-backed realtime chat and notifications

Education

MS in Software Engineering — Jul 2022 – Present
Sindh Agriculture University, Hyderabad, Pakistan

Artificial Intelligence Specialization — 2020 – 2021
Isra University, Hyderabad, Pakistan

Bachelor of Information Technology (BSIT) — 2017 – 2021
Sindh Agriculture University, Tando Jam, Hyderabad, Pakistan

Selected Freelance & Contract Projects

- **Founder, Codenetic:** Founded and run a software consultancy delivering client products end to end, earning $200K+ in revenue across 300+ applications built and 70+ published to the Apple App Store and Google Play
- **Gold Minds:** Led development and deployment of an edtech SaaS (React/TypeScript, Supabase/PostgreSQL, Docker/Fly.io, GitHub Actions CI) serving 2,000+ students across role-scoped dashboards
- **AllVermont:** Built a tag-triggered GitHub Actions release pipeline that validates version consistency across package.json, Expo config, and git tag, then auto-submits builds to Google Play testing
- **Baba Telehealth:** Designed and deployed a Node.js/Express and MongoDB backend on AWS EC2 under PM2 process management, integrating Twilio Video, Socket.io realtime, and Stripe payments, with scripted deploys
- **Myaigi:** Designed a real-time agent pipeline streaming AI-generated content to a mobile client over Server-Sent Events, backed by Pinecone vector memory, Cassandra for durable multi-session state, and Redis caching