Majid Ali

Forward Deployed Engineer | Open Source Contributor | Agentic AI, MCP & Cloud Systems

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Karachi, Pakistan (Remote, available 1:00–9:00 PM PKT)

Summary

Forward Deployed Engineer with 4+ years turning ambiguous business operations into ROI-measured production systems via discovery and end-to-end delivery. Architected a 7-agent **LangGraph** platform with **Pinecone** retrieval and a safety-gating Judge agent, and built **Model Context Protocol** servers exposing production MySQL as LLM tools via Chainlit. Cut Azure spend ∼88% ($12,000 to $1,500/mo) and led Azure-to-AWS migration on **AWS EKS/Fargate** with real-time **Koa2/TypeScript** backends; founded a consultancy earning $200K+ across 300+ apps (70+ published).

Technical Skills

Agentic AI & Retrieval
– **LangChain**, **LangGraph**, multi-agent orchestration, **Model Context Protocol (MCP)**, function calling
– Prompt orchestration, prompt engineering, evaluation frameworks, guardrails, LLM-as-judge
– Retrieval systems, RAG, knowledge bases, vector databases (**Pinecone**), embeddings, semantic search
– Claude/Anthropic, OpenAI, Gemini, DeepSeek V4, Server-Sent Events (SSE), Chainlit

Backend & APIs
– **Node.js**, **TypeScript**, **Go**, Python, Express, Koa2, REST API design, microservices
– Event-driven architecture (**NATS Streaming**), WebRTC (OpenTok), Socket.io, JSON-RPC 2.0
– React, Angular, TanStack Query, Supabase, JWT/OAuth, npm package publishing

Cloud & DevOps
– **AWS** (EKS/ECS/Fargate, Elastic Beanstalk, Cognito, Lambda, S3, EC2), **Azure** (App Gateway, Functions)
– **Docker**, **Kubernetes**, CI/CD (GitHub Actions, GitLab CI), Fly.io, PM2, load balancing

Data & Databases
– **PostgreSQL**/Supabase, MySQL, Redis, Cassandra, MongoDB, Sequelize, row-level security (RLS)
– Amazon Redshift, ClickHouse, columnar/OLAP, vector memory, durable multi-session state

Delivery & Consulting
– Discovery, requirements gathering, solution scoping, phased delivery, white-label multi-tenancy
– RBAC, compliance auditing, VAPT remediation, investor/board demos, stakeholder management

Experience

AI Business Systems & Agentic Engineering Jun 2024 – present
Technical Operations Lead, Sehat Kahani

- Built a **Model Context Protocol** server with FastMCP exposing a production Azure MySQL database as 6 LLM tools for schema introspection and querying, behind a Chainlit chat interface for plain-language access
- Owned a telehealth clinic product line end to end from discovery through delivery, supporting a network that grew to 61 physical e-health clinics across every province of Pakistan and Azad Jammu & Kashmir
- Drove third-party penetration-test remediation (VAPT) across three production product lines handling protected patient data, operating a mature multi-tenant Koa2/TypeScript platform with MySQL and Redis
- Led a cross-cloud migration to **AWS Elastic Beanstalk** for a live telemedicine platform, operating Azure and AWS in parallel across blob storage, Cognito auth triggers, and application monitoring

Technical Program Delivery & Enterprise Integrations Sep 2023 – Jun 2024
Senior Project Manager, Zetsol Technologies

- Managed Zetsol's client project portfolio as Senior Project Manager, including SmartPOS, NowPosh, BizTheta, and Sehat Kahani, coordinating a combined engineering team of 35+ across concurrent deliveries
- Coordinated enterprise integrations with banking, insurance, and telecom partners onto a white-label multi-tenant healthcare platform, each as an isolated deployment with its own environment stack

· Led the technical program taking a national telemedicine platform into a new international market (UAE), managing the team delivering its corporate, clinical, and retail product lines with delegate coordination

Distributed Systems & Cloud Platform Engineering Dec 2022 – Sep 2023
Backend & DevOps Team Lead, BitsPro

· Led a 4-person backend team building an event-driven microservices warehouse system (**Node.js**, **TypeScript**, **NATS Streaming**) for a logistics operator, publishing shared service and entity libraries to npm

· Architected and operated a containerized microservices platform on **AWS EKS** and **ECS** running on Fargate behind load balancers, running independently deployable services communicating over an event bus

· 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

Full-Stack Engineering & Cloud Cost Optimization 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 the real-time video and audio consultation engine for a telemedicine platform using **WebRTC** (OpenTok) on a **Koa2/TypeScript** backend with **MySQL** and PubNub-backed realtime chat and notifications

· Built and owned CI/CD for a production healthcare platform, automating lint, test, and deploy stages across five environments spanning three product lines on a shared monorepo with isolated production tiers

· Built the internal Angular operations console used to run a national telemedicine platform—doctor and clinic management, corporate account administration, and operational reporting dashboards

Education

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

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

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

Selected Freelance & Contract Projects

- **Founder, Codenetic:** $200K+ earned across 300+ applications built and 70+ published to the Apple App Store and Google Play as a Top Rated freelancer, delivering client products end to end from scoping to release
- **Myaigi: Multi-Agent Coaching Platform:** Architected a 7-agent LangGraph system for routing, content generation, QA, scheduling, and coaching behind an intent classifier across Claude, OpenAI, and Gemini
- **Streaming Retrieval Pipeline:** Designed a real-time agent pipeline streaming AI content over Server-Sent Events, backed by Pinecone vector memory and Cassandra for durable multi-session state
- **QA/Safety Judge Agent:** Designed a dedicated QA and safety-review agent gating all AI-generated content before delivery, placing guardrails inside the orchestration graph as an internal evaluation framework
- **PSX MCP Server (Open Source):** Contributed to a published Model Context Protocol server (6 commits, PyPI/MCP Registry), fixing production scraper breakages after an upstream data-source migration
- **Baba Telehealth: Client Proposal:** Authored the winning proposal for a 14-week systems-integration engagement, defining architecture, phased milestones, and payment structures with clarification rounds to delivery