Majid Ali

Technical Engineering Lead | AI & Agentic Systems | LangGraph, MCP, Multi-Agent Platforms

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Karachi, Pakistan (Open to Relocation to Lahore)

Summary

Technical Engineering Lead with 5+ years shipping production software and 4+ years leading engineering teams, combining backend and cloud depth (Node.js, TypeScript, AWS, Azure) with production AI: a 7-agent LangGraph platform across Claude, OpenAI, and Gemini, two Model Context Protocol servers, and an AI evaluation and safety-gating agent. Led 35+ engineers across concurrent product programs, owned a telehealth product line end to end, and cut a platform's cloud spend ∼88% via an Azure redesign. AI is a core capability, not a standalone feature.

Technical Skills

AI & Agentic Systems
– **LangChain / LangGraph** – multi-agent orchestration, 7-agent systems, intent classification
– **Model Context Protocol (MCP)** – server design, LLM tool-use, natural-language database interfaces
– Prompt engineering, AI evaluation & guardrails (LLM-as-judge), RAG / vector search (Pinecone)
– Multi-provider LLM integration – Claude/Anthropic, OpenAI, Gemini; fine-tuning (OpenAI)

Backend & APIs
– **Node.js**, **TypeScript**, Python, Express/Koa – REST APIs, WebRTC/WebSocket realtime
– Microservices & distributed systems – event-driven architecture, NATS Streaming, multi-tenant platforms
– CI/CD & engineering productivity – GitHub Actions, GitLab CI, multi-environment release pipelines

Cloud & Infrastructure
– **AWS** – EKS/ECS/Fargate (Kubernetes), Elastic Beanstalk, Lambda, Cognito, S3; multi-cloud
– **Azure** – App Services, Functions, App Gateway, Azure MySQL; cost optimization (FinOps)

Data & Databases
– MySQL, PostgreSQL, MongoDB, ClickHouse – data warehousing, OLAP migration, schema evolution
– Cassandra, Redis, Pinecone (vector) – durable agent state, caching, semantic memory

Leadership & Practices
– Technical & team leadership – mentoring, code review, sprint planning, people management
– Program delivery & stakeholder management – product ownership, Agile/Scrum, executive communication

Experience

Applied AI & Production Platform Operations Jun 2024 – Present
Technical Operations Lead, Sehat Kahani

- Built a Model Context Protocol (MCP) server exposing a production Azure MySQL database as LLM-callable tools for schema introspection, querying, and management, with a natural-language interface
- 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 a telehealth clinic product line end to end, from ideation through delivery, supporting a network that grew to 61 physical e-health clinics across every province of Pakistan and Azad Jammu & Kashmir
- Served as technical representative in investor and board-level sessions, running platform demos, fielding architecture and roadmap questions, and translating stakeholder feedback into roadmap decisions

Engineering Leadership & Program Delivery Sep 2023 – Jun 2024
Senior Project Manager, Zetsol Technologies

- Managed Zetsol's client project portfolio as Senior Project Manager, coordinating a combined engineering team of 35+ across SmartPOS, NowPosh, BizTheta, and the flagship Sehat Kahani account
- 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 with major banking, insurance, and telecom partners onto a multi-tenant healthcare platform, each running as a white-labeled deployment with its own environment stack

Distributed Systems & Backend Team Leadership Dec 2022 – Sep 2023
Backend & DevOps Team Lead, BitsPro

- Led a 4-person backend team building an event-driven microservices warehouse management system on Node.js, TypeScript, and NATS Streaming, shipped to a production retail logistics operator in the US
- Architected and operated a containerized microservices platform on AWS EKS (Kubernetes) and ECS on Fargate behind load balancers, with independently-deployable services communicating over an event bus
- Owned the data-warehousing layer for inventory search across 3 fulfillment centers, migrating from Amazon Redshift to ClickHouse to cut infrastructure cost while preserving fast columnar queries

Cloud Infrastructure & Full-Stack Engineering 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 on a Koa2/TypeScript backend with MySQL and Sequelize, plus 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 separate product lines on a shared monorepo codebase

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, earning $200K+ in revenue across 300+ applications built and 70+ published to the Apple App Store and Google Play
- **Myaigi:** Architected a multi-agent AI coaching platform on LangChain and LangGraph, orchestrating 7 specialized agents for routing, content generation, QA, and coaching across Claude, OpenAI, and Gemini
- **AI Safety & Evaluation:** Designed a QA and safety-review agent gating all AI-generated content before delivery, with output-quality and safety enforcement inside the agent orchestration graph
- **PSX MCP Server:** Contributed to a published open-source Model Context Protocol server for Pakistan Stock Exchange data, fixing production scraper breakage and shipping dividend-analysis features
- **Baba Telehealth:** Fine-tuned and deployed an OpenAI model for AI-assisted patient triage and symptom assessment, integrated into a telehealth platform's patient intake workflow ahead of consultation
- **Gold Minds:** Led development and deployment of a financial-literacy SaaS platform (React/TypeScript, Supabase, Docker/Fly.io) serving 2,000+ students across admin, teacher, and student dashboards