

Mohammad Daoud Farooqi

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Partner Solution Architect — AI & Cloud Integrations

Partner-facing technical leader with ~10 years of experience in enterprise solution architecture and partner integrations, with a recent focus on designing, deploying, and scaling Generative AI solutions. Proven record enabling Systems Integrators, cloud partners, and startups to move from PoV to production through one-click reference architectures, reproducible deployment pipelines, and partner enablement at scale. Hands-on experience integrating LLMs (GPT, Claude, Llama, Mistral), vector search, and multi-agent systems with converged datastores (MongoDB Atlas) and cloud infra (AWS, GCP, Azure). Strong at pre-sales discovery, solution design workshops, post-deployment support, and translating partner feedback into product outcomes. Experienced “user-zero” for model testing, SDK validation, and cloud deployment automation across AI workloads.

Core Capabilities

Generative AI · LLMs (GPT, Claude, Llama, Mistral) · RAG / Vector Search · Multi-Agent Systems · LangChain · Model Integration (APIs, Fine-tuning) · Crash-Testing / “User-Zero” Validation · SDK & Tooling for Model QA · Reinforcement Learning for Memory Optimization · AWS (SageMaker, Bedrock, Lambda, EC2, S3, CloudFormation) · GCP · Azure · Serverless & Container Design · GPU Workloads · Scalable & Secure Architectures · CI/CD & Infra-as-Code · Docker · Kubernetes · Terraform · GitLab / Jenkins · Partner GTM Strategy · Pre-Sales Discovery · PoV/PoC Delivery & Automation · Solution Design Workshops · Partner Enablement Portals · Value-Based Selling · Startup Enablement · Technical Content & Presentations · MongoDB Atlas · Redis · FAISS · Temporal · CloudWatch · Vector Search · Telemetry & Performance Monitoring · Python · FastAPI · TypeScript · SQL

Professional Experience

MongoDB — Partner Solutions Architect, Artificial Intelligence

Aug 2024 – Present — Partner-facing AI architect helping builders operationalize Generative AI across cloud using secure, scalable patterns.

- Delivered **20+ Generative AI reference architectures and PoV accelerators**, reducing partner setup time by **~80%** and accelerating **PoV-to-production** transitions across global ecosystems.
- Served as **“User Zero”** for **Voyage AI embedding model** deployment on cloud, validating end-to-end integrations and providing actionable feedback to product and engineering teams.
- Architected and deployed **AI memory and context systems** (Model Context Protocol + semantic caching), enabling **scalable context persistence** and improving **retrieval efficiency** in multi-agent architectures.
- **Led partner GTM enablement programs** across major hyperscalers, cutting partner onboarding time by **~60%** and driving repeatable, production-grade AI deployment success.
- Co-developed **open-source aligned AI reference architectures** with partners (Temporal.io, Arcee AI, Unstructured.io, Gemini CLI), strengthening **ecosystem interoperability** and accelerating **AI-native workload adoption**.
- **Automated AI solution deployment pipelines** (AWS EC2, SageMaker, MongoDB Atlas) using **fault-tolerant CloudFormation templates**, reducing **time-to-market** for enterprise AI prototypes.
- Built **multi-partner demonstration systems** (RAG pipelines, semantic caching, multi-agent orchestration) showcasing **MongoDB Atlas** as the **converged datastore for Generative AI**.
- Designed a **Cognitive AI Memory System** with **reinforcement learning, importance weighting, and memory decay**, advancing **adaptive and production-ready AI behavior**.

Infosys — Technology Lead, GenAI & Application Development

Feb 2022 – Aug 2024 — Led GenAI productionization for enterprise ITSM and incident management with telemetry-driven automation.

- Developed and deployed **RAG and semantic retrieval pipelines** using Hugging Face and SBERT clustering, reducing analyst workload by 60%.
- Built **Python/Flask microservices** integrating FAISS and MongoDB for ingestion, retrieval, and summarization at scale.
- Implemented **audit and observability frameworks** for SOX compliance and data traceability.

Tata Consultancy Services — I.T. Analyst, App Dev & DevOps

Mar 2016 – Feb 2022 — Delivered automation, ETL, and enterprise app solutions for BFSI clients with a focus on reliability and efficiency.

- Directed a **CI/CD proof-of-concept** adopted by leadership, improving release cadence and automation maturity.
- Designed **ETL and data-pipeline monitoring dashboards** ensuring SLA adherence and faster incident resolution.

Recognition & Thought Leadership

- **\$3.2M** documented customer value across projects.
- Featured Speaker — MongoDB.local Delhi (500+ developers).
- Publications: [Constitutional AI: Ethical Governance with MongoDB Atlas](#); [Converged Datastore for Agentic AI](#); [Build AI Memory Systems with MongoDB Atlas, AWS and Claude](#).
- Open-source contributor to LlamaStack and Gemini CLI.

Education & Certifications

B.Tech, Computer Science & Engineering — Dr. APJ Abdul Kalam Technical University, 2015

Certifications: AWS Generative AI · Professional Scrum Master · Microsoft Certified Professional

Availability

Based in Delhi, India. Open to relocation to the **UAE, EU and US** (Visa required). Available for full-time, on-site engagement.