

# MIR MOHAMMED SHAJAHAN

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## PROFESSIONAL SUMMARY

Engineer-founder and player-coach. **Founded Nexobe in 2025** to build production agentic AI systems hands-on — multi-agent orchestration with Claude, GPT-4o, Gemini, CrewAI, LangChain, RAG, and Pinecone, delivering **85% accuracy improvement** over rule-based baselines. Prior: **8+ years as Senior Engineering Manager at Intel** leading 20+ engineer teams across distributed execution platforms (**200M+ jobs/week across 6,000+ servers**) and an enterprise SaaS platform that drove **\$100M+ capital expenditure avoidance and \$10M+ annual billing**. 20+ years of software engineering spanning Fortune 50 enterprise scale and startup founder velocity. Equally strong leading teams, shipping customer-facing LLM products, architecting cloud-native platforms on Azure / AWS / GCP, and debugging the critical path.

## CORE COMPETENCIES

- Engineering Management
- Player-Coach Leadership
- Agentic AI & Multi-Agent Systems
- LLM Orchestration (Claude, GPT-4o, Gemini)
- LangChain & CrewAI
- RAG & Vector DBs (Pinecone, Weaviate)
- AI Evaluation & Observability
- Distributed Systems at Scale
- High-Throughput / Low-Latency Backend
- Platform & Infrastructure Engineering
- Cloud-Native (AWS, GCP, Azure)
- Kubernetes & Microservices
- Zero-to-One Product Delivery
- Forward-Deployed / Client-Facing
- Enterprise SaaS & Multi-Tenant
- Reliability & SRE
- Hiring & Team Building (20+)
- Executive Stakeholder Communication

## PROFESSIONAL EXPERIENCE

### Nexobe — AI Platform

2025 – Present

Founder & Lead Engineer · Chicago, IL (Remote)

- Architected production **agentic AI platform** using Claude, GPT-4o, and Gemini 2.0 Flash — multi-agent orchestration (CrewAI, LangChain), tool-use runtimes, and multi-modal ML pipelines for enterprise automation in supply chain and customer engagement.
- Engineered **multi-tenant platform** with dedicated vector namespaces (Pinecone), RAG retrieval, evaluation harness, and React analytics dashboards — **85% accuracy improvement** over rule-based baselines.
- Designed cloud-native distributed systems (Docker, Kubernetes, PostgreSQL, real-time pub/sub) deployed across AWS and GCP with automated CI/CD (GitHub Actions, Terraform) and OpenTelemetry-based observability.
- Built Python and TypeScript data pipelines (FastAPI, Express) for feature extraction, evaluation, and model serving — **60% data preparation time reduction**.
- Hands-on full-stack delivery in React, Next.js 14, Node.js, and TypeScript — component architecture, real-time features via pub/sub, and UI-to-API ownership.
- Direct customer engagement as founding engineer — discovery, prototype-to-production delivery, iteration under ambiguity.

### Intel Corporation

2017 – 2025

Senior Software Engineering Manager · Folsom, CA / Chicago, IL / Remote

- Led and scaled a team of **20+ engineers** across multiple geographies — owned hiring, performance reviews, career development, and promotions while staying hands-on with architecture and code reviews.
- Operated as a **player-coach**: led system design reviews, authored reference implementations, drove architectural decisions for distributed systems, and contributed to critical-path code while managing team execution.
- Built and modernized real-time **execution platform processing 200M+ jobs/week across 6,000+ servers** — predictive scheduling models reduced job wait times by 15% and storage overhead by 15% while maintaining hard correctness guarantees.
- Delivered zero-to-one multi-tenant SaaS platform for capacity engineering and demand forecasting — cloud-native microservices with React frontends and REST APIs — **\$10M+ annual billing, \$100M+ capital expenditure avoidance**.
- Implemented data-driven ML models for predictive resource allocation — increasing utilization 30% and reducing operational waste by **\$15M annually**.
- Established engineering KPIs, OKRs, and deploy-under-uncertainty frameworks (feature flags, shadow mode, SLO-based auto-rollback) — **55% reduction in delivery time and 95% customer satisfaction increase (45% → 88%)**.
- Architected organization-wide microservices framework adopted by 100+ engineers across multiple business units; built **600PB data warehouse** with real-time React analytics dashboards for 15+ teams.
- Led Executive Briefing Center sessions with C-level stakeholders — translated technical concepts into business outcomes and secured sponsorship for **\$50M+ strategic initiatives**.

### Object Edge Inc

2016 – 2017

Senior Technical Consultant · Walnut Creek, CA

- Client-facing delivery of Spring Boot REST APIs and React SPAs — reduced API response time 40% via query optimization, caching, and modern design patterns.
- Architected centralized **logging and observability infrastructure** (Graylog, MongoDB, Elasticsearch) for real-time monitoring across 20+ distributed microservices.
- Standardized CI/CD pipelines with Jenkins — reduced integration time 15 hours per project, drove 40% improvement in development velocity.

### Earlier Experience

2006 – 2016

Technical Lead (Capella University — 30,000+ students) · Senior Consultant (Express Scripts) · Software Engineer (Berkley Technology Services) · Technical Lead (Verizon Data Services — ETL/BI processing 10M+ records daily) · Senior Software Engineer (Mobile-Worx).

## TECHNICAL SKILLS

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**AI / ML / Agents:** LLM Integration (Claude, GPT-4o, Gemini) · Multi-Agent Systems (CrewAI, LangChain) · Agent Orchestration · Tool Use · RAG · Vector DBs (Pinecone, Weaviate) · TensorFlow · PyTorch · Evaluation & Model Quality · LLMOps · OpenTelemetry

**Languages:** Python · TypeScript · JavaScript · Java · C# · Go · SQL

**Frameworks:** React · Next.js 14 · Node.js · Express · FastAPI · Spring Boot · Django · ASP.NET · WebSockets · Real-Time Pub/Sub

**Cloud & Infra:** AWS (EC2, S3, Lambda, RDS, EKS) · GCP · Azure · Docker · Kubernetes · Terraform · Ansible · Jenkins · GitHub Actions · CI/CD · SRE & Observability

**Data & Streaming:** PostgreSQL · MySQL · MongoDB · Redis · Elasticsearch · Cassandra · DynamoDB · Kafka · Spark · Airflow · Oracle

**Leadership:** Hiring & Team Building (20+ engineers) · Performance Management · Career Development · Player-Coach Model · Agile/Scrum · OKR/KPI Frameworks · Executive Stakeholder Communication · Cross-Functional Leadership

## EDUCATION

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Bachelor of Engineering, Electrical and Electronics Engineering — [University of Madras](#)

2000 – 2004

## AWARDS & RECOGNITION

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- **Five Engineering Computing Awards** — Intel Corporation (2018–2024) — technical contributions, architectural innovation, engineering excellence
- **Three Divisional Recognition Awards** — Intel Corporation (2020–2024) — leadership in ML product delivery, customer satisfaction, cross-organizational impact