

# Anurag Kotha

Chief Technology Officer | AI & Systems Architect | LLM & RAG Specialist

Hyderabad, Telangana, India

[in LinkedIn](#) | [GitHub](#) | [Email](#)

---

## Summary

---

**ROI-focused Technology Leader** with over a decade of experience in **AI, Quantitative Finance, and Scalable Systems**. I specialize in applying rigorous “financial-grade” validation to Generative AI, transforming experimental models into reliable, production-ready business tools.

As **CTO of VersaQuant**, I architected systems that reduced infrastructure costs by **50%** while scaling engineering teams. Recently, I have integrated “**Agentic**” development in my workflows, utilizing AI agents to accelerate coding velocity and build complex multi-modal products like **Profiler** (Dynaprice), which directly revitalized revenue streams. I thrive at the intersection of technical architecture and business strategy.

---

## Experience

---

### Dynaprice – New York (Remote)

#### External Consultant

Feb 2025 – Feb 2026

Worked as external consultant for Dynaprice, providing strategic AI and technical guidance.

- Provided strategic consulting on AI implementation and digital transformation initiatives.
  - Advised on technical architecture and product development roadmap.
- 

### Head of AI

Feb 2026 – Present

Taking a more active role in company-level AI applications, driving digital transformation and product strategy.

- **Built “Profiler” (Revenue Engine):** Architected and deployed a multi-modal AI system (React/Next.js/Python) that ingests images, voice, and text to autonomously generate structured equipment listings.
    - **Impact:** Solved a client acquisition drought, securing **4 new enterprise clients** immediately upon demo.
    - **Projected Value:** Estimated **\$100K+ annual revenue uplift** via cross-selling and streamlined onboarding.
  - **Agentic Development:** Orchestrated AI agents to generate ~90% of the codebase based on my architectural PRDs, demonstrating a high-velocity “Architect-First” workflow.
  - **Operational Efficiency:** Reduced listing creation time from **days to < 2 min**, enabling factory-floor workers to digitize inventory via voice commands.
-

## VersaQuant Inc. – Hyderabad, India

### Chief Technology Officer

May 2023 – Nov 2025

Led the transition from legacy financial tech to a modern, AI-driven stack.

- **Architected “aiqsas” (Cost Optimization):** Built a custom API layer using **Docker Swarm, Python (FastAPI), and WebSockets** to replace expensive MATLAB dependencies.
  - **Impact:** Eliminated **\$50K+ in annual licensing fees** and reduced cloud compute costs by **40-50%**, extending company runway by **6+ months**.
- **Developed “AskAlpha” (Early AI Innovation):** Implemented **RAG and Tool Calling** manually within a MATLAB environment (pre-standard libraries) to create a financial decision-making chatbot.
- **Team Leadership:** As Employee #1, hired and scaled the engineering team to **15 members**. Managed the full team lifecycle, optimizing structure and workflows amidst changing funding landscapes.

---

### Chief Architect

Nov 2019 – May 2023

- Led architecture of **AI-powered financial tools**, migrating legacy systems to scalable cloud infrastructure.
- Built **market prediction engines** and high-frequency trading analytics, reducing system latency by **50%+**.

---

### Lead Quant

Aug 2017 – Nov 2019

- Developed **live and backtesting engines** for algorithmic trading simulations.

---

## Forte Aegis – Chicago, IL / Remote

### Chief Architect

Apr 2018 – Present

- Built AI research tools for **options market intelligence**, scaling analytics software from **MVP to production-grade** systems.
- Designed real-time data pipelines for processing high-volume financial indicators.

---

## Twin Disc – Racine, WI, USA

### Sr. Control Systems Engineer

Aug 2015 – Aug 2017

- Led **predictive analytics** for marine systems, enhancing automation and navigation safety.
- Developed **autopilot and propulsion algorithms** utilizing neural networks and PID controls.

- Built **predictive control systems** and motion simulators, integrating real-time vessel estimation algorithms.
- 

## Selected R&D Projects

---

**LexAI (Legal Tech Innovation)** *Current R&D Initiative* - Developing a high-fidelity **Legal AI Assistant** for the Indian market (BNS/BNSS/BSA acts). - **Tech Stack:** Advanced RAG, **Voyage AI** (Embeddings), **Zilliz** (Vector DB), **OpenRouter**. - **Innovation:** Testing zero-error retrieval architectures to solve LLM hallucinations in high-stakes domains. Demoed to high-net-worth legal professionals, generating investor interest.

---

## Education

---

Illinois Institute of Technology, Chicago, IL, USA

- **MS in Mechanical & Aerospace Engineering (2011 – 2013)**
  - **BS in Mechanical & Aeronautical Engineering (2007 – 2011)**
- 

## Technical Skills

---

- **AI & Agentic Tech:** LLMs Advanced RAG DSPy Pydantic AI Tool Use/Function Calling Voyage AI Zilliz
- **Core Stack:** Python MATLAB Docker Swarm Kubernetes FastAPI Go (Golang)
- **Web & Frontend:** React Next.js Express.js TailwindCSS
- **Cloud & DevOps:** AWS (EC2, S3, LightSail) GitHub Actions CI/CD DVC
- **Domain Expertise:** Quantitative Finance Control Systems Legal Tech (RAG)