

ANIRUDH MODI

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PROFESSIONAL SUMMARY

Technical executive and engineering leader with progressive experience spanning two decades driving large-scale systems architecture, data privacy strategy, and multi-billion-dollar risk reduction. At Meta and Intel, directed cross-organizational programs involving 50+ engineers, mentored 20+ senior engineers, managed high-performing teams of mostly PhD-level engineers, owned regulatory roadmaps (FTC/EU/DMA), and delivered C-level visibility into organizational risk—most notably helping Meta avoid \$4B+ in potential fines. Highly proficient in leveraging LLMs and modern AI tools to accelerate complex problem-solving, analysis, and delivery. Most recently exercised full strategic and P&L ownership as Independent Quantitative Trader & Portfolio Manager. Seeking Principal+ / Senior Director / VP Engineering roles that demand deep technical judgment, people leadership, and high-stakes impact.

CORE COMPETENCIES

Technical & People Leadership • Strategic Roadmap Ownership & Execution • Large-Scale Systems Architecture & Big Data Strategy • Data Privacy & Regulatory Risk Governance • AI/LLM-Assisted Problem Solving & Engineering Acceleration • Talent Development, Mentoring & Team Building • Quantitative Risk Management • Performance Optimization • C#/.NET • C++ • Python

WORK HISTORY

Independent Quantitative Trader & Portfolio Manager

Proprietary Trading | May 2025 – Present

- Exercised full strategic and P&L ownership for proprietary capital, designing risk frameworks, capital allocation strategies, and performance governance under market uncertainty.
- Directed end-to-end quantitative systems and data-driven decision processes as sole principal, leveraging LLMs and modern AI tools extensively to accelerate modeling, analysis, strategy iteration, and system development.
- Independently owned all operational, risk, and capital decisions, demonstrating executive-level accountability, judgment, and metrics-driven leadership in high-uncertainty environments.
- Applied advanced statistical modeling, time-series analysis, and systems thinking—extending large-scale data and architecture expertise from prior roles to real-time decision systems.

Technical Lead – People Data Privacy

Meta | Menlo Park, CA | 2021 – 2025

- Directed roadmap planning and execution of the technology stack supporting Meta's data privacy commitments to global regulators (FTC, EU, IDPC) and upcoming DMA requirements.
- Led development of software and processes to identify and remediate cross-app data sharing risks across billions of assets spanning 3B+ users, helping Meta avoid \$4B+ in potential regulatory fines through metric-driven risk reduction.

- Drove development and adoption of C-level privacy dashboards and metrics, influencing and guiding technical efforts of 50+ engineers across multiple organizations.
- Served as key technical decision-maker and risk owner for cross-app privacy assessments, mapping technical findings to organizational and regulatory exposure.
- Mentored 20+ senior engineers and partnered with Product Managers, TPMs, and Data Engineers to deliver challenging privacy objectives under regulatory pressure; supported hiring of senior engineers and managers.
- Delivered hands-on thought leadership and cross-functional influence to optimize for privacy, efficiency, and transparency; extensively leveraged LLMs and AI tools in the final year to accelerate analysis, automation, and complex problem-solving across privacy initiatives.

Technical Lead – Big Data Infrastructure → Staff Software Architect

Intel – Fab Automation | Hillsboro, OR | 2002 – 2021

- Progressed over nearly two decades from Senior Software Engineer to Technical Lead, expanding scope from core middleware and operational tools to enterprise-scale big-data systems while also serving as people manager for several years of a high-performing team of mostly PhD+ engineers.
- As Technical Lead and people manager: Led a team of senior software architects (primarily PhD-level) to design and implement a big-data system analyzing petabytes of factory data, enabling data scientists to make rapid decisions for yield improvement and cost reduction (\$1B+ savings potential over 5 years). Drove requirements, product selection (S3, Hadoop), and full-stack delivery (C#/.NET) for high-volume collection (5+ TB/day), transformation, storage, UI, and APIs. Delivered >100× reduction in critical data collection/analysis time (12 hours → ~7 minutes).
- Architected and led development of mission-critical database middleware supporting 10+ major database platforms; platform adopted by 10,000+ engineers across geographies, connecting 1,000+ databases to 3,000+ applications (20M+ daily queries / 20 TB+ data volume). Received major awards and transitioned into project-lead role managing developers.
- Initiated and drove the patented LogAnalyzer platform (rich C#/.NET UI + reusable C#/Python APIs), adopted by 2,000+ engineers across all Intel factories for real-time operational data mining and delivering tens of thousands of hours of troubleshooting savings.
- Evaluated and integrated Elasticsearch for 300 TB+ of application log data, delivering 20× performance gains on hundreds of operational use-cases and enabling proactive failure-pattern recognition to reduce MTTR.
- Led C#/.NET training and best-practices education for an organization of 300+ developers; continuously drove DevOps efficiency and mean-time-to-recovery improvements across products.

EDUCATION

Pennsylvania State University – University Park | Ph.D., Computer Science and Engineering (1997 – 2002) [<http://phd.anirudh.net>]

Indian Institute of Technology – Bombay | B.Tech., Engineering (1993 – 1997) [<http://btp.anirudh.net>]

VOLUNTEERING

- Certified Yoga instructor actively teaching 50+ students at a local non-profit [<http://yoga.anirudh.net>]