

ANUSHA MEKA

Engineering Executive | AI, Cloud Platforms, Enterprise SaaS

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EXECUTIVE PROFILE

Engineering executive trusted to scale high stakes AI platforms, global cloud systems, and the teams behind them. Currently leading Azure OpenAI engineering across 28+ regions serving Fortune 500 customers. Proven track record delivering measurable business impact while building high performing engineering organizations.

- Drove \$54M+ in annual operational savings and enabled \$53.7B in digital lending portfolio growth
- Built and scaled engineering organizations from 5 to 40+ engineers with manager-of-managers scope while maintaining 90%+ retention
- Architected distributed systems serving 7.5M+ monthly users with 99.99% availability
- Led multi-year product roadmaps for enterprise AI platforms powering Fortune 500 workloads
- Partnered directly with executive leadership on AI strategy, capacity planning, and security frameworks

Core Strengths: Generative AI & LLM Platforms | Multi-Team Engineering Leadership | Product Strategy & Roadmaps | Distributed Systems | Enterprise SaaS | Cloud Infrastructure | Reliability Engineering | Executive Stakeholder Management

PROFESSIONAL EXPERIENCE

Microsoft | Principal Group Engineering Manager, Azure Cloud & AI | Charlotte, NC | May 2019 – Present

Azure OpenAI Engineering Leader (September 2024 – Present)

Lead engineering for Azure's flagship generative AI service across 28+ global regions. Partner with Product, Security, and Go-To-Market leadership on enterprise AI strategy.

- Directed integration of 60,000+ multi-tenant AI resources, establishing RBAC-driven security models, private endpoints, and regional placement policies adopted across Azure's AI platform portfolio
- Set architectural direction for elastic GPU inference infrastructure, improving utilization efficiency by 30%+ while sustaining exponential adoption growth
- Led GPU capacity planning during 10x demand growth, ensuring predictable performance, fair allocation, and 99.99% availability SLA commitments
- Established reliability guardrails and disaster recovery sustaining 99.99%+ uptime; reduced MTTR by 40% across global regions
- Modernized deployment frameworks, reducing release cycles by 25% while strengthening production safeguards

Azure Quality & Security Hub – Engineering Director (November 2022 – August 2024)

Led multi-team organization building Azure's internal product ecosystem used by 20,000+ engineers across 40+ mission-critical services, establishing onboarding frameworks and usage analytics driving 85%+ sustained adoption

- Defined multi-year strategy for Azure's internal developer platform, partnering with senior leadership to establish standardized engineering governance adopted organization-wide
- Presented quarterly business reviews to Azure CTO organization on platform adoption, productivity improvements, and risk mitigation across multi-billion dollar revenue portfolio
- Directed platform-wide Copilot framework using Generative AI to auto-generate quality plans and risk insights, accelerating decision-making by 35%
- Improved Azure service deployment velocity by 20%, reduced customer-impacting incidents by 30%, enabled \$10M+ annual savings
- Restructured 40-person organization from silos to product-aligned teams, reducing delivery cycle time by 30%

Microsoft Copilot for Support – Conversational AI Engineering Leader (May 2019 – October 2022)

Led engineering and global launch of enterprise conversational AI platform serving 7.5M+ monthly user sessions across Windows, Office, Xbox, and Dynamics. Managed 25+ engineers and 3 engineering managers.

- Defined product vision and roadmap, increasing self-service resolution by 35% and delivering \$54M+ in annual operational savings
- Directed AI platform execution using NLP, intent classification, and dialog orchestration, accelerating resolution time by 40%
- Expanded product to 43 languages via scalable real-time translation, unlocking international markets
- Set architectural direction for secure microservices platform leveraging Kubernetes for elastic scaling, high availability (99.9%+), and enterprise-grade data protection (GDPR, SOC 2 compliant)

Bank Of America | Senior Engineering Manager, Consumer Sales & Service | Charlotte, NC | March 2014 – May 2019

Led product engineering for multi-billion-dollar fintech portfolio including Digital Mortgage, Auto Loans, Deposits, and Payments. Managed 15+ engineers supporting 41M+ customers.

- Spearheaded engineering delivery of Bank of America's first Digital Mortgage Experience (2018), driving 60% increase in origination volume and \$53.7B in loans in the first year of release becoming one of largest digital mortgage portfolio in U.S. banking
- Led omni-channel account opening for 41M+ customers across desktop, tablet, and mobile, improving NPS by 25 points
- Directed engineering for Bill Pay and Transfers, improving core payment experiences and reducing customer service calls by 30%

- Translated high level business goals into durable technology roadmaps, aligning engineering investments with enterprise growth strategy

LEADERSHIP & RECOGNITION

- Built and scaled engineering organizations achieving 40%+ representation of women and underrepresented groups; promoted 12+ team members into Principal band and developed 4 team members into engineering management roles
- Conducted 300+ technical/leadership interviews as Microsoft AA interviewer, raising hiring bar across organization
- Chaired Azure CXP East Region Council (400+ employees) driving 15+ promotions and led Women at Microsoft Carolinas chapter.
- Featured speaker: Microsoft Tech Conference, Fleurix, Mogul's NextGen Showcase, WICT
- Awards: Charlotte Business Journal "Women in Business" (2025); Mogul AI "Top Technology Leader" (2025)
- Patent: US-12093644-B2 (content readability analysis system)
- Publication: "AI-Powered Cloud Platforms for Micro-Investment," American Journal of Engineering and Technology

EDUCATION

- Yale School of Management, Accelerated Management Program
- MS, Computer Science, Texas A&M University
- MS, Management & Computer Networks, Middlesex University, London
- Bachelor of Technology, Information Technology, Andhra University, India

TECHNICAL EXPERTISE

Leadership & Strategy: Product Vision & Roadmap | Multi-Team Engineering Leadership | Executive Stakeholder Management | Org Design & Scaling | Talent Development | Cross-Functional Collaboration | Strategic Planning

AI & Machine Learning: Generative AI (GPT, LLM) | Azure OpenAI | Conversational AI | NLP | Intent Classification | Model Training | Responsible AI | AI Product Strategy

Cloud & Infrastructure: Azure | AWS | Multi-Tenant SaaS | Kubernetes | Microservices | Distributed Systems | High-Scale Inference | GPU Capacity Planning | Global Deployment

Engineering Excellence: SRE | SLO/SLI | Incident Response | CI/CD | Release Management | Security & Compliance (SOC 2, GDPR, RBAC) | Observability | Performance Optimization

Product & Growth: Product Strategy | Adoption Strategy | A/B Testing | Customer Analytics (CSAT, NPS) | Behavioral Telemetry | Global Expansion | Enterprise Customer Success