

ANUJ GUPTA

Tampa, FL | <https://anujg21.github.io> | linkedin.com/in/gupta-anuj

PROFESSIONAL SUMMARY

Senior AI Architect and Enterprise Technology Leader with 13+ years of experience defining technology vision, reference architectures, and multi-year roadmaps for Fortune 500 enterprises. Expert in Platform-as-a-Product strategy, cloud-native transformation, and AI-driven modernization. Proven ability to lead global engineering organizations of 18+ across AI, Internal Developer Platform (IDP), and Cloud Migration pillars—delivering 40% infrastructure cost reductions, 60% operational efficiency gains, and accelerating enterprise SDLC. Currently pursuing Masters in Computer Science at Rice University (May 2026).

CORE COMPETENCIES

Architecture & Strategy: Enterprise Architecture, TOGAF, Solution Architecture, Reference Architecture, Technology Roadmapping, Architecture Governance, Microservices, Design Patterns, Multi-Tenant SaaS, Digital Transformation

Cloud & Platform Engineering: Amazon Web Services (AWS), Azure, Kubernetes (EKS), Serverless (Lambda, Fargate), Terraform, Infrastructure as Code (IaC), Docker, GitOps (FluxCD), Internal Developer Platform (IDP), CI/CD Pipelines

AI/ML & Generative AI: AI Strategy, Amazon Bedrock, Azure OpenAI, Multi-Agent Systems (AutoGen, LangGraph), Retrieval-Augmented Generation (RAG), MLOps, LLMs, Prompt Engineering, NLP, Responsible AI

Leadership & Governance: FinOps, Cross-Functional Leadership, Global Delivery (Onshore/Offshore), Stakeholder Management, Organizational Change Management, SDLC Optimization, Technology Standards, Risk Management

Languages & Data: Python, Java, SQL, PostgreSQL, MongoDB, DynamoDB, Amazon Redshift, Neo4j (Graph Databases), Elasticsearch, Prometheus, Grafana

PROFESSIONAL EXPERIENCE

Massachusetts Mutual Life Insurance Company (MassMutual) June 2021 – Present

Lead Platform Architect | Tampa, FL

Directing a global engineering organization of 18+ staff across three concurrent strategic pillars: AI Innovation, Internal Developer Platform (IDP), and Enterprise Cloud Migration.

- **Enterprise Architecture & IDP Strategy:** Defined the vision, reference architecture, and multi-year roadmap for the company-wide Internal Developer Platform (IDP). Led a global team of 10 to build self-service capabilities for infrastructure provisioning, CI/CD orchestration, and security—reducing new service onboarding time by 50% and accelerating SDLC velocity across the broader engineering organization.
- **FinOps & Architecture Governance:** Spearheaded a Kubernetes multi-tenancy strategy, reducing the total number of clusters by ~68%. Directed implementation of dynamic provisioning (Karpenter) and GitOps (FluxCD), slashing infrastructure costs by 40% (\$1.2M+ annually) while centralizing governance and reducing operational overhead for 200+ developers.
- **AI Platform Architecture:** Architected and led a cross-functional team of 8 to deliver a serverless, multi-agent AI platform on AWS. Automated 80% of vulnerability triage, achieving a 60% reduction in Mean Time to Resolution (MTTR) and cutting unresolved security findings by 35%.
- **Cloud Migration Leadership:** Directed a 9-person team in designing and building a proprietary DevOps platform that facilitated the migration of 60+ business applications from on-premises to AWS, standardizing modern CI/CD practices and establishing enterprise-wide architectural standards.
- **Innovation & Thought Leadership:** Championed AI adoption by leading two enterprise hackathons to winning outcomes. Architected a RAG-based knowledge retrieval system (Azure OpenAI + ServiceNow) now in production, and an LLM-powered operational intelligence agent for Kubernetes/database failure diagnosis currently advancing to production.

PricewaterhouseCoopers (PwC) Advisory Oct 2018 – May 2021

Cloud Computing & DevOps Architect

Led digital transformation initiatives for enterprise clients, focusing on architecture modernization, security, automation, and data analytics.

- **DevOps Transformation:** Directed a team of 14 engineers to execute an enterprise-wide DevOps transformation, implementing Git-based CI/CD and Infrastructure as Code for 11 critical applications—reducing deployment errors by 90% and increasing release frequency by 4x.
- **Security Architecture:** Led a 14-person global engineering team to architect and deliver a serverless security analytics platform on AWS, providing executive leadership with a unified security posture view via QuickSight and reducing manual reporting efforts by 30 hours monthly.
- **Enterprise Data Strategy:** Orchestrated the development of an enterprise AWS data lake with a global team of 12, utilizing Kinesis, Glue, and Redshift. Improved ETL processing efficiency by 70% and query performance by 50%, directly enabling advanced ML and analytics capabilities.

Tata Consultancy Services (TCS), Client – Nielsen Dec 2011 – Oct 2018

Cloud TechOps Engineer / Onsite Lead Architect

- **Global Delivery & Stakeholder Management:** Managed a 16-member offshore engineering team as primary tech lead, synchronizing workflows between onsite stakeholders and offshore delivery to execute multi-year infrastructure roadmaps for a Fortune 500 client.
- **Cloud Migration at Scale:** Directed migration of terabyte-scale Cloudera Hadoop workloads to AWS EMR, improving data processing throughput by 40% and reducing infrastructure overhead by 60%. Orchestrated migration of 1,200+ servers to cloud, achieving 75% performance improvement.
- **Resiliency & Automation:** Engineered highly available PostgreSQL architecture (99.99% uptime). Standardized Jenkins CI/CD pipelines across the ecosystem, cutting manual deployment time from 4 hours to 15 minutes and eliminating configuration drift.

EDUCATION

Masters in Computer Science Expected May 2026

Rice University, Houston, TX

Professional Certificate in Machine Learning & Artificial Intelligence April 2023

UC Berkeley Executive Education

Bachelor of Engineering in Electronics & Telecommunication July 2011

Chhattisgarh Swami Vivekanand Technical University, India

CERTIFICATIONS

- AWS Certified DevOps Engineer – Professional | Amazon Web Services
- AWS Certified Data Analytics – Specialty | Amazon Web Services
- AWS Certified Solutions Architect – Associate | Amazon Web Services