

REVANTH PAMBALLA

SENIOR DIRECTOR, ENTERPRISE CLOUD ARCHITECTURE & DIGITAL TRANSFORMATION

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EXECUTIVE SUMMARY

Enterprise Cloud Architecture executive with 18+ years leading global digital transformation, multi-cloud modernization, and DevOps acceleration across pharmaceutical, healthcare, financial services, and retail sectors. Architected and delivered a \$30M global cloud modernization program spanning AWS and Azure across multiple regions, modernizing GxP-adjacent and commercial platforms while establishing enterprise governance frameworks. Proven track record translating executive strategy into scalable, secure, cloud-native platforms — AWS, Kubernetes, Terraform, microservices — that move regulated, business-critical operations forward. MBA candidate at Duke Fuqua bridging technology architecture and enterprise business strategy.

CORE COMPETENCIES

Enterprise Cloud Architecture (AWS, Azure, GCP, Hybrid Cloud) • **Global Digital Transformation Leadership** • **Architecture Governance & Standards** • Kubernetes / EKS / AKS • Terraform / IaC • Microservices & Distributed Systems • **DevOps & SRE Transformation** (CI/CD, GitOps, Shift-Left Security) • Apache Spark & Big Data Platforms • Healthcare / Life Sciences Regulated Environments • Executive Stakeholder Engagement • Cross-functional Team Leadership (60+ engineers) • SAFe Agile at Scale

PROFESSIONAL EXPERIENCE

Senior Enterprise Architect / Solutions Director

HCL America Inc.

Dec 2018 – Present

Morrisville, NC

Lead enterprise cloud architecture and modernization across global Life Sciences, Retail, and Financial Services clients, including a \$30M multi-cloud transformation with 60+ engineers across multiple geographies. Report into executive technology leadership and partner with cybersecurity, data, and business stakeholders to deliver scalable, regulated-industry platforms.

- **Architected** a \$30M multi-region cloud modernization for a global pharmaceutical client, migrating 200+ legacy life sciences applications to a hybrid AWS + Azure target state across North America, Europe, and Asia-Pacific; established cloud landing zones, identity federation, and regional data residency controls supporting GxP-adjacent workloads.
- **Established** enterprise architecture governance for the program — published reference architectures, cloud design patterns, and a technology radar adopted across 12 Agile Release Trains; reduced architecture review cycle time 55% and standardized 15+ microservice templates across global engineering teams.
- **Drove** multi-cloud DevOps transformation across 60+ engineers — Terraform IaC, Jenkins CI/CD, Kubernetes (EKS/AKS), GitOps, and shift-left security (SonarQube, HashiCorp Vault); cut deployment time from 3 days to 8 minutes, lifted sprint velocity 42%, and achieved 99.97% pipeline reliability.
- **Led** DevOps culture and observability across the Life Sciences transformation — coached 4 Scrum Masters and 18 engineers, stood up ELK Stack observability, cut MTTR from 4.2 hours to 18 minutes, reduced production incidents 68%, and lifted business stakeholder CSAT from 7.1 to 9.4/10.
- **Presented** 3-year cloud and digital transformation roadmaps to executive leadership and global business units, securing alignment on modernization priorities, cloud spend optimization targets, and a 24-month decommissioning plan for legacy on-prem infrastructure.
- **Implemented** zero-downtime release strategy (canary deployments, blue-green, automated rollback) for a 2M-user healthcare platform — maintained 99.99% availability SLA, achieved SOC2 Type II certification with zero findings, and lifted team retention from 78% to 94%.

Senior Software Engineer / Technical Lead

Intel Corporation

Apr 2016 – Nov 2018

Cary, NC

- **Architected** and delivered a multi-node cognitive computing platform on Hadoop/YARN, migrating 50+ AI/ML workloads to a next-gen distributed cluster; reduced inference latency 68% and cut infrastructure costs \$1.2M annually.
- **Presented** 3-year technology roadmaps to C-suite and engineering leadership, securing \$8M in funding for AI platform modernization and achieving 100% alignment on tech evolution priorities across 6 business units.
- **Evangelized** Hadoop ecosystem adoption (HDFS, Spark, Hive, HBase) enterprise-wide, replacing legacy systems and enabling petabyte-scale processing for 40+ engineers building data products 5x faster.

- **Diagnosed** critical performance bottlenecks in distributed systems (shuffle spills, GC thrashing); improved job success rate from 74% to 99.6% and recovered 1,200+ node-hours monthly.
- **Mentored** 8 engineers on big data architecture, Spark optimization, and production-grade pipelines; 85% promoted within 18 months, with team delivering 22 production features ahead of schedule.

Solution Architect
Mammothdata

Dec 2014 – Apr 2016
Durham, NC

- **Designed** enterprise data lakes on Hadoop for centralized analytical workloads; partnered with sales to scope solution proposals, execution roadmaps, and capacity plans for Fortune 500 clients.

Earlier Experience — Zaloni Inc., TIAA-CREF, UNLV, Satyam
Sr. Software Engineer • Sr. J2EE/Portal Developer • Graduate Assistant • Java Programmer

2005 – 2014

12+ years building enterprise Java/J2EE platforms, portals, and data engineering systems across financial services, higher education, and IT services.

EDUCATION

Master of Business Administration (MBA), Candidate
The Fuqua School of Business, Duke University — Durham, NC. Focus: technology strategy, enterprise leadership, digital business transformation.

Expected 2027

Master of Science, Computer Science
University of Nevada, Las Vegas (UNLV)

2008

Bachelor of Technology, Computer Science & Information Technology
JNTU Hyderabad, India

2005

CERTIFICATIONS

AWS Certified Solutions Architect (2020) • AWS Certified Machine Learning – Specialty (2021) • AWS Certified Data Analytics – Specialty (2022) • Google Cloud Skills Boost (2023)

TECHNICAL SKILLS

Cloud Platforms: AWS, Microsoft Azure, GCP, Hybrid Cloud, Multi-Cloud Landing Zones

Containers & Orchestration: Kubernetes, Amazon EKS, Azure AKS, Docker, Helm, GitOps (ArgoCD/Flux)

Infrastructure as Code & DevOps: Terraform, Jenkins, GitHub Actions, ELK Stack, Prometheus, SonarQube, HashiCorp Vault

Architecture: Microservices, Event-Driven Architecture, API Gateway patterns, Distributed Systems, SaaS/PaaS, Reference Architectures, Governance Frameworks

Data & Big Data: Apache Spark, Kafka, MapReduce, Hadoop (HDFS, Hive, HBase), SQL/NoSQL (PostgreSQL, MySQL, Cassandra, Solr), LLM/RAG development

Languages: Java, Spring Boot, Kotlin, Python, TypeScript

Methodologies: SAFe Agile, Scrum, DevOps, SRE, Shift-Left Security, SOC2 compliance, Regulated-Industry Delivery