

RAMESH MARELLA

Enterprise Cloud & SRE Architect | Multi-Cloud Strategy, Enterprise Architecture, Reliability Engineering & FinOps

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EXECUTIVE SUMMARY

Enterprise and Cloud Architect with 20+ years leading large-scale digital transformation, cloud modernization, SRE, FinOps, and governance across FinTech, SaaS, and regulated environments. Architected scalable, secure, compliant, cost-efficient solutions across AWS, Azure, GCP, and IBM Cloud. Led multi-million-dollar programs, managing cross-functional teams up to 80 professionals. Aligns technology strategy with business outcomes, risk, resilience, and regulatory compliance.

SELECTED IMPACT

- Led global programs with teams up to 80 across cloud, infrastructure, and app modernization
- Delivered up to 35% cloud cost reduction via FinOps, rightsizing, RI modeling, architecture redesign
- Designed multi-cloud governance frameworks across AWS, Azure, GCP, IBM Cloud
- Established Architecture Review Boards, reusable patterns, and reference architectures
- Implemented SRE practices (SLIs/SLOs, observability, DR, auto-healing) improving resilience
- Architected HIPAA, SOC 2, FedRAMP, ISO27001, GDPR compliant clouds
- Research model achieved 99.99% availability, 40% MTTR reduction, 30% cost optimization
- High Performance Achiever Award, Wipro Technologies

PROFESSIONAL EXPERIENCE (CONDENSED)

Research & Thought Leadership — Jun 2025–Present

Multi-Cloud Governance & SRE framework; research on predictive reliability, AI-driven anomaly detection; published IEEE/SSRN; papers submitted to CloudCom, FiCloud, CISS, AIBDCC 2026

Taciti Consulting / Lam Research — Enterprise Architect — May 2024–May 2025

Defined AWS-native blueprint across 5 platforms; led ARB for cloud modernization; standardized CI/CD, observability, DR with Terraform & GitHub Actions

EZ4 Technologies — Enterprise Architect — Jul 2023–Apr 2024

SRE strategy with IaC; AWS microservices reference architecture; SLO dashboards; redundancy assessments

Blue Yonder — Enterprise Architect — Jan 2021–Jan 2023

Liaison between FinOps & engineering; cost/performance heatmaps; compliance-ready AWS monitoring

Magtech / Fast.co — Enterprise Architect — May 2020–Jan 2021

Architected data lake/ML on AWS Glue, EMR, SageMaker; ECS/EKS/Fargate patterns; 35% AWS spend reduction

Micronet Technicks — Enterprise Architect — Dec 2016–Sep 2018

Zero Trust with IAM, MFA, GuardDuty, KMS, Config; ISO27001/SOC2/GDPR; 99.9% SLA via multi-AZ/region DR

Wipro Technologies — Enterprise Architect — Nov 2002–Nov 2016

Led large-scale programs across US/UK/India (teams ~80); hybrid cloud strategy (AWS/Azure/GCP) with HIPAA/FedRAMP; 25% infra cost reduction

CORE STRENGTHS

- Multi-Cloud Architecture (AWS, Azure, GCP, IBM)
- SRE, SLIs/SLOs, Operational Resilience
- Architecture Governance & ARB Leadership
- FinOps & Cost Optimization
- Zero Trust Security & Compliance
- Cloud Migration & Modernization
- DevOps Automation (Terraform, CI/CD)
- Observability (Dynatrace, Datadog, Prometheus)
- AI-Enabled Cloud Optimization

CERTIFICATIONS

- IBM Cloud Solutions Architecture — Certified
- Microsoft Power BI — Certified
- AWS Cloud AI — Enrolled
- Azure Cognitive Services — Enrolled
- TOGAF — Enrolled
- Tableau AI — Enrolled

TECHNOLOGIES

Cloud: AWS, Azure, GCP, IBM Cloud

AI/Data: SageMaker, Bedrock, Glue, EMR, QuickSight, Power BI, Tableau AI

SRE/Ops: Dynatrace, Datadog, Prometheus, DR, auto-healing

DevOps: Terraform, GitHub Actions, Jenkins, ECS, EKS, Fargate, IaC

Security: Zero Trust, IAM, MFA, GuardDuty, KMS, Config, HIPAA, SOC2, FedRAMP, ISO27001, GDPR

GenAI: ChatGPT, Claude, Gemini, Copilot

EDUCATION

- Professional MBA — Campbellsville University
- MS, Information Technology Management — Campbellsville University
- MS, Data Science & AI (in progress) — Campbellsville University
- Doctorate, Strategic Leadership (in progress) — Liberty University