

Ramesh Marella

Enterprise Transformation | Cloud Governance | Reliability Engineering | Operational Resilience

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Executive Summary

Enterprise technology leader and research-driven advisor with 25+ years of experience across enterprise transformation, cloud governance, SRE, FinOps, disaster recovery, observability, operational resilience, and enterprise architecture. Public body of work includes SSRN research papers, MCGR and related framework repositories, architecture models, reviewer activity, and a professional authority platform through Infinity Info Systems.

Strategic Impact Highlights

- Led 80+ professionals across enterprise transformation, operations modernization, and global delivery environments during 2014-2016 international leadership responsibilities.
- Directed datacenter migration, consolidation, and transition from as-is operational environments toward governed, scalable, future-ready operating models.
- Delivered cloud cost optimization use cases including approximately 35% optimization through FinOps, rightsizing, reserved instance modeling, and governance practices.
- Advanced reliability engineering use cases including 40% MTTR reduction and 99.99% availability-oriented engineering models.
- Developed public research frameworks spanning multi-cloud governance, SLO-driven architecture, AI observability, DR governance, FinOps, resilience maturity, and platform engineering.

Core Capabilities

Governance	Reliability	Resilience	Transformation
Multi-cloud policy governance	SLOs / SLIs / error budgets	DR readiness / RTO / RPO	Technology roadmaps
Compliance / audit readiness	Observability / telemetry	Failover / failback planning	Datacenter modernization
Architecture Review Board	Incident response / MTTR	Operational resilience	Executive governance

Selected Public Research & Frameworks

- A Multi-Cloud Governance and Site Reliability Engineering Framework for FinTech Platforms: SSRN 6663578.
- AI-Driven Observability and Reliability Framework for Multi-Cloud Financial Platforms: SSRN 6557159.
- A Standardized Multi-Cloud Governance Model for Policy Consistency and Drift Detection: SSRN 6713338.
- Designing SLO-Driven Cloud Architectures: SSRN 6617678.
- GitHub framework ecosystem: MCGR Framework, SLO-driven architecture, DR governance, FinOps governance, AI observability, enterprise resilience, and platform engineering operating models.

Professional Ecosystem

- Professional memberships and ecosystem participation: IEEE, ACM, ISACA, Linux Foundation / LFX, Sigma Xi, BCS, PREreview, ORCID; FinOps Foundation and CNCF pathway requests in progress.
- Reviewer development and activity: PREreview completed peer reviews, Elsevier peer reviewer training, ACM reviewer certification, and Nature/NMO peer review coursework.
- Leadership recognition: Harvard Business School Publishing ACE Program, Wipro Leaders Program, Capella Star Brigade Award, and Encore Award.