

Ramesh Marella - Research CV

Cloud Governance | SRE | FinOps | Operational Resilience | AI Observability

Research Identity

- ORCID: <https://orcid.org/0009-0007-0985-2591>
- Google Scholar: <https://scholar.google.com/citations?user=6N4-PdgAAAAJ&hl=en>
- SSRN Author Page: https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=11103808
- ResearchGate: <https://www.researchgate.net/profile/Ramesh-Marella/research>
- GitHub: <https://github.com/rammar876>

Research Focus

- Multi-cloud governance and policy consistency across AWS, Azure, GCP, IBM Cloud, and hybrid enterprise environments.
- SLO-driven cloud architecture balancing reliability, performance, cost, and resilience.
- AI-driven observability, predictive reliability, operational intelligence, and incident reduction models.
- FinOps governance, disaster recovery readiness, operational resilience, and executive reporting models.
- Enterprise architecture, platform engineering, governance operating models, and transformation maturity frameworks.

Publications & Working Papers

Title	Reference	Status
A Multi-Cloud Governance and Site Reliability Engineering Framework for FinTech Platforms: A Case Study	SSRN 6663578	Public / conference pipeline
AI-Driven Observability and Reliability Framework for Multi-Cloud Financial Platforms	SSRN 6557159	Public
A Standardized Multi-Cloud Governance Model for Policy Consistency and Drift Detection	SSRN 6713338	Public / CloudCom 2026 submission
Designing SLO-Driven Cloud Architectures: A Framework for Balancing Reliability, Performance, and Cost in Enterprise Systems	SSRN 6617678	Public / AIBDCC 2026 submission
A Governance Framework for Multi-Cloud Architectures: Ensuring Security, Compliance, and Cost Efficiency in Enterprise Environments	IEEE Manuscript ID TAI-2026-Apr-A-00880	Submitted

Conference & Research Pipeline

- FiCloud 2026 - MCGR Framework for FinTech platforms.
- CloudCom 2026 - Standardized multi-cloud governance and drift detection model.
- AIBDCC 2026 - SLO-driven cloud architecture framework.
- CESS 2026 / IEEE-related submission pathway - multi-cloud governance, security, compliance, and cost efficiency.

Reviewer & Scholarly Service

- Completed public peer reviews through PREREVIEW.ORG across AI, Information Systems, Management Science, and enterprise technology research topics.
- Completed peer review training/certifications through Elsevier, ACM, and Nature/NMO coursework.
- Reviewer and judging pathway development across IEEE, Elsevier, Springer, DevPost, and technology award ecosystems.

Framework Repositories

- MCGR Framework - Multi-cloud governance and SRE framework.
- SLO-Driven Cloud Architecture - reliability, performance, and cost framework.
- AI-Driven Observability Framework - operational intelligence and predictive reliability.
- DR Governance Framework - disaster recovery and resilience governance.
- Cloud FinOps Governance - cost optimization and financial governance.
- Enterprise Resilience Maturity Model - maturity scoring and executive transformation model.

Professional Memberships & Research Ecosystem

- IEEE, ACM, ISACA, Linux Foundation / LFX, Sigma Xi, BCS, PREreview, ORCID.
- FinOps Foundation and CNCF pathway requests in progress.
- Peer review training and reviewer readiness through Elsevier, ACM, Nature/NMO, and PREreview.

Evidence & Public Portfolio

- Research evidence gallery: SSRN, Google Scholar, ORCID, GitHub, PREreview, and conference submission evidence.
- Professional authority platform: Infinity Info Systems website with public research, architecture, membership, recognition, and advisory pages.
- Public GitHub profile includes active repository ecosystem and contribution history aligned to cloud governance and reliability engineering.