

# Ramachandran Balasubrahmanian

Director / Senior Manager — Enterprise Data Platforms · Data Governance · DataOps · AI Governance · Data Quality · Metadata · MDM · Data Products

+91 7760077471 | [Email](#) | [LinkedIn](#) | [Portfolio](#) | [Demo App](#) | [GitHub](#)

Bengaluru · Remote · UAE · GCC · APAC · Immediate Joiner

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## EXECUTIVE SUMMARY

I help enterprises turn fragmented data operations into governed, reliable, AI-ready data platforms. 15+ years building governance-led enterprise data platforms that improve reliability, reduce failure cost, and increase trust in data products. Built and scaled a Detect → Resolve → Prevent model that reduced pipeline incidents by 95%, protected 232M+ records per extraction cycle, and delivered \$2M+ annual savings. Now seeking Senior Data Leadership roles across Enterprise Data Platforms, Governance, DataOps, AI Governance, Data Quality, and Data Products.

**Key metrics:** 95% incident reduction · 232M+ records protected · \$2M+ annual savings · 50+ enterprise clients · \$10M+ ARR · DAMA CDMP Practitioner

## SKILLS

**Core Strengths:** Enterprise Data Platforms · Data Governance · DataOps · AI Governance · Data Quality · Metadata · MDM · Data Products · Data Reliability

**Technology:** AWS · Snowflake · Databricks · Python · SQL · Spark · ServiceNow · MLflow · Apache Hop · SHAP · LIME

**Compliance:** GDPR · DPDP · HIPAA · SOC 2 · ISO 27001 · RBI · SEBI · IFSCA · PII Masking · Tokenisation · Zero-trust Ingestion

**Leadership:** Global Teams · SAFe Agile · Executive Stakeholders · Platform Roadmaps · Audit Readiness · GenAI / RAG Governance

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## WORK EXPERIENCE

**Senior Manager, Enterprise Data Platform, DataOps & Governance** | Jun 2022 – Mar 2025

**Fair Isaac Corporation (FICO)**

- Defined the enterprise data platform roadmap across governance, metadata, reliability, quality, and AI-readiness, translating recurring operational issues into a Detect → Resolve → Prevent operating model adopted across 50+ enterprise clients.
- Partnered with engineering, compliance, business, and executive stakeholders to convert platform reliability gaps into governed, audit-ready operating practices, reducing pipeline incidents by 95% and downstream escalations by 45%.
- Implemented SHAP, LIME, and 100+ PII safeguards on Databricks Unified Analytics, improving AI/ML governance posture by 32% and safeguarding 125M+ records at 10,000 TPS.
- Delivered \$2M+ annual savings through cloud optimisation, storage tiering, metadata-driven automation, and reusable governance controls; supported \$10M+ ARR and accelerated client onboarding by 70%.
- Led 25+ engineers across Canada, US, and India, including 11 direct reports and 7 Agile teams; embedded change-control governance, delivery discipline, and reusable operating practices across enterprise platform teams.

**Manager, Enterprise Data Platform, DataOps & Governance** | Dec 2018 – Jun 2022

**Fair Isaac Corporation (FICO)**

- Automated metadata-driven quality checks (schema, type, range, email, fuzzy-address) using AWS Athena and Python/Boto3, reducing pipeline incidents by 50% within 3 months.
- Governed 75 GB+ batch workloads and 2.5M–3M API calls per cycle with SLA-driven reconciliation, audit-ready control execution, and ingestion controls including checksum, header/footer, and deduplication.
- Scaled quality gates across 7 distributed Agile teams, improving engineering velocity ~50% and shortening deployment cycle time ~60% through CI/CD and version-control practices.

**Lead / Associate Manager, Data Management Platform** | Oct 2016 – Dec 2018

**Fair Isaac Corporation (FICO)**

- Built enterprise ingestion, validation, transformation, and reconciliation pipelines; delivered COBOL-to-JSON transformation for 3,500-column, 5M-record datasets within a 2-hour SLA.
- Established scalable PII-masking foundations across 100+ JSON paths, later extended to high-volume regulated workloads with row-level security and data-modelling controls.
- Led 10+ technical reviews and RFP inputs, contributing to 6+ new enterprise clients and \$5M new ARR within 6 months.

**Technical Lead, Data Migration, Reconciliation & Guidewire Integration** | Apr 2015 – Oct 2016

**HCL Technologies**

- Built Guidewire migration frameworks with automated financial/logical reconciliation using Pentaho Data Integration, reducing delivery effort ~32% through reusable pipeline assets.
- Optimised legacy ETL pipelines, reducing data ingestion time by 40% and improving downstream analytics query performance by 30% within 3 months.

**Associate Tech Lead / Programmer Analyst / Software Engineer** | Jul 2009 – Mar 2015

**EY (Ernst & Young) · Cognizant · RRDonnelley**

- Spearheaded Guidewire Insurance Suite migrations with reusable ETL, validation, and reconciliation frameworks supporting P2P and S2C process automation for global BFSI clients.
- Delivered data validation, cleansing, and SQL optimisation workflows enhancing regulatory reporting and analytics capabilities across BFSI and publishing clients.

## KEY PROJECTS & INNOVATIONS

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### Metadata-Driven Data Quality Framework

Configurable governance engine separating validation rules from pipeline code. Reduced duplicate-resolution effort 90%+, incident resolution from 20–100 hrs to under 4 hrs, and client onboarding from 4 weeks to 2–3 days.

### AI-Powered Governance: Secure PII Masking & Zero-Trust Ingestion

Privacy-by-design pipeline using Gemini for semantic PII classification, SHA-256/512 hashing, tokenisation, ABAC enforcement, and immutable audit ledger. Aligned to GDPR, HIPAA, SOX, and ISO 27001. Protected 232M+ regulated records.

### Schema Integrity & Data Reliability at Scale

Metadata-driven Schema Validator governing 50+ regulated feeds at 100% pipeline uptime, with ServiceNow workflows and lineage evidence for audit readiness.

Demo App: [Pipeline Pulse](#) · Portfolio: [Executive Data Leadership Portfolio](#)

## CERTIFICATIONS

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- DAMA CDMP: Data Management Fundamentals 88% · Data Governance 83% · Data Quality 88% · Master-level approval in progress
- SAFe Scrum Master · Data-Driven Decision Making · AI Tools Workshop · Guidewire Data Hub & InfoCenter

## EDUCATION

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**M.C.A., KGISL Institute of Information Management** | 2005 – 2008

**B.Sc. Mathematics & Statistics, University of Calicut** | 2002 – 2005

## ADDITIONAL INFORMATION

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**Career Sabbatical — Family Caregiving & Professional Development** | Apr 2025 – Apr 2026

Took a planned one-year family caregiving sabbatical; circumstances are fully resolved and I am immediately available. Continued professional development in DAMA CDMP, AI/ML governance, GenAI risk controls, RAG architectures, metadata-driven governance, and responsible AI practices.