



RAVI KIRAN RALI

Enterprise Data Management Leader | Data Architecture & Governance | AI-Ready Data Platforms

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PROFESSIONAL SUMMARY

Data management professional with 25+ years delivering measurable business outcomes across regulated industries — life sciences, financial services, and healthcare. Track record of architecting enterprise data governance programs, MDM platforms, and AI-ready cloud data architectures that reduce data risk, accelerate decision-making, and enable GenAI/LLM deployment at scale. Equal strength in deep technical architecture and executive program leadership: designing data governance operating models, canonical data models, and knowledge graph solutions while managing multi-million dollar portfolios and aligning C-suite stakeholders to data strategy. TOGAF Certified | PMP Certified | Wharton Strategy.

CORE COMPETENCIES

Data Management & Governance	Enterprise Data Strategy & Roadmap Data Governance Programs & Operating Models Master Data Management (MDM) Data Quality Frameworks Metadata Management & Data Catalogs Regulatory Compliance (FDA 21 CFR, AML/BSA, HIPAA)
Enterprise Architecture	TOGAF-based Architecture Governance Architecture Review Boards Data Mesh / Data Fabric Enterprise Canonical Data Modeling Knowledge Graphs & Semantic Modeling Target-State Architecture & Roadmaps
AI & Modern Platforms	Knowledge Graph / RAG Pipelines Agentic AI Workflows Generative AI & LLM Architecture Snowflake Data Cloud Databricks Lakehouse Reltio MDM, Informatica IDMC (MDM, DQ, AXON) AWS & Azure MLOps
Program Leadership	Enterprise Program & Portfolio Management Executive Stakeholder Alignment Budget & P&L Management Cross-functional Team Leadership (10–15+) Onshore/Offshore Delivery Pre-Sales & Solution Costing

PROFESSIONAL EXPERIENCE

Principal Enterprise Architect, Data & Technology

Parexel International

Raleigh, NC

Sep 2024 – Present

Top-3 global CRO (\$2B+ revenue) conducting clinical trials across 100+ countries. Driving enterprise data strategy, AI architecture, and governance programs across clinical and commercial operations.

- **Key Outcome:** Architected and launched an Enterprise AI platform leveraging LLM and Knowledge Graph technologies to enable intelligent search, protocol summarization, and site/investigator insights across Parexel's global study portfolio — reducing analyst research time by ~60% and accelerating study start-up decisions.
- **Key Outcome:** Designed a Knowledge LLM pipeline integrating structured clinical metadata with unstructured protocol documents via RAG architecture — enabling CRO operational teams to query trial intelligence in natural language with governed, auditable data access.
- **Key Outcome:** Architected the Data Governance, MDM, and Data Quality roadmap for global clinical operations, enabling audit-ready data lineage across multi-study portfolios and reducing downstream reconciliation effort by ~40%.
- Established an Architecture Review Board governing all data platform investments across 8+ business domains (clinical data management, finance, scheduling, site management, FSO/FSP resources), preventing costly rework and ensuring regulatory alignment.
- Accountable for delivery quality, budget oversight, and risk mitigation across the enterprise data and AI architecture portfolio.

Senior Data Architect

R2 Data Vision Inc

Sep 2023 – Sep 2024

- **Key Outcome:** Designed Data Lakehouse and ODS architectures on AWS and Azure, consolidating siloed data sources into unified analytics-ready platforms — reducing client time-to-insight from weeks to days.
- Delivered Data Governance blueprints including classification frameworks, metadata management, and data catalog configurations, providing clients a structured path to regulatory-ready, trustworthy data assets.

Enterprise Data Architect | Advisory Director, Data & Analytics KPMG LLP — Digital Lighthouse

Apr 2018 – Aug 2023

Raleigh, NC

Senior advisory leader within KPMG's national data practice delivering data management programs for Fortune 500 clients; managed delivery teams of 10–15, P&L, and executive client relationships.

- **Key Outcome:** Delivered enterprise Modern Data Platform on Snowflake + Informatica IDMC (MDM, Data Quality, AXON Catalog), giving clients trusted master data and self-service analytics — reducing business user time-to-insight from 3 weeks to 2 days and cutting data error rates by 35%.
- **Key Outcome:** Architected Enterprise Data Governance program — policy engine, stewardship operating model, DQ KPIs, and metadata taxonomy — enabling clients to pass regulatory audits and reduce compliance remediation costs by ~30%.
- Designed scalable GenAI / RAG-ready data architecture enabling enterprise LLM deployment through governed vector store integration and LLM-ready data pipelines — adopted across 3 client production environments.
- Managed multi-engagement portfolio with full P&L accountability; led executive workshops translating business vision into prioritized data roadmaps that secured C-suite approval for multi-year programs.

VP, Business Solutions Manager — AML & Analytics Bank of America (via Insight Global)

Nov 2016 – Mar 2018

- **Key Outcome:** Delivered AML Transaction Hub integrating 15+ data sources — enabling real-time suspicious activity detection, improving SAR filing accuracy by 30%, and meeting OCC/FinCEN regulatory obligations on schedule.
- Established enterprise data governance framework for the AML domain; automated data cleansing pipelines reduced false positive rates in transaction monitoring by ~25%, lowering analyst review costs significantly.

Data Architect — Enterprise Canonical Data Model Blue Cross Blue Shield of NC (NTT Data / R2 Data Vision)

Oct 2012 – Jan 2016

- **Key Outcome:** Architected Enterprise Canonical Data Model powering BCBSNC's business transformation — enabling consistent data exchange across 20+ integration touchpoints and reducing integration build time by 40% through reusable canonical patterns.
- Pioneered Neo4j Graph database for MDM entity resolution, reducing duplicate master records by ~35% and laying the foundation for a scalable enterprise MDM program.

Senior Data Architect — Liquidity Risk Bank of America (via Randstad)

Feb 2012 – Oct 2012

- Defined data strategy and architecture roadmap for Liquidity Risk Management systems, supporting post-2008 regulatory capital/liquidity reporting requirements with auditable, fit-for-purpose data architecture.

Architect & Delivery Manager Idexcel Inc

Oct 2006 – Jan 2012

Clients: Duke Energy (IBM), Hanover Insurance, Teradyne, ADP

- Delivered EDW, BI, MDM, Data Quality, and Data Governance solutions across Financial Services, Insurance, and Energy — combining architecture depth with full delivery management accountability across multi-year engagements.

Associate Consultant | Regional Practice Manager, BI & Data Warehousing Tata Consultancy Services (TCS)

May 1998 – Sep 2006

- Built and led TCS's BI/Data Warehousing practice across Financial Services, Insurance, Life Sciences, and Government verticals; managed client relationships, pre-sales, resource planning, and team development.

CREDENTIALS

TOGAF Certified Enterprise Architect	2016
Business Strategy for Competitive Advantage & Connected Strategy — The Wharton School	2020
PMP Certified	2003–2007
B.Tech, Chemical Engineering — Sri Venkateswara College of Engineering, India	1996