

## CONTACT

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## CORE CAPABILITIES

- Enterprise Data Architecture & Platform Design
- Data Platform & Operating Model Strategy
- Cloud Data Platforms (AWS, Snowflake, Redshift, Iceberg)
- Data Governance, Lineage, Quality & Controls
- Risk & Regulatory Data (Market, Non-Financial Risk, Compliance)
- Integration Patterns (API, Batch, Streaming – Kafka, Spark)
- Executive Stakeholder Leadership
- Agile Delivery & Cross-functional Team Leadership

## TECHNICAL EXPERTISE

Cloud: AWS, Azure, Redshift, Snowflake, Iceberg, Databricks, Cloudera

Processing: Glue, Spark, Kafka

Governance: Standards, metadata, lineage, control design

Languages: SQL, Python

Visualisation: Power BI, Tableau

## CERTIFICATIONS

- AWS Certified Data Analytics – Specialty
- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- Microsoft Certified Solutions Associate – BI Reporting
- TOGAF Certified Enterprise Architect
- Professional Scrum Master I

## EDUCATION

Bachelor of Engineering  
Electronics & Communication  
Engineering  
JSS Academy of Technical Education  
2005 – 2009

# MADHUSUDAN BHASKAR

Head of Enterprise Data & Platforms | Data Architecture | Governance & Operating Model

## EXECUTIVE SUMMARY

Senior Data & Analytics Executive with 15+ years leading enterprise data platforms, governance frameworks, and operating models across Australia's largest financial institutions. Proven track record building trusted data foundations at scale — from shaping a \$30M+ modernisation program at Commonwealth Bank to delivering enterprise risk data platforms at Macquarie Group. Known for simplifying structural complexity, embedding sustainable data capability, and operating with credibility at executive level across Risk, Technology, Finance and Business. Strong delivery bias: balances compliance, quality and pace to drive meaningful, enterprise-wide outcomes.

## EXPERIENCE

### Senior Manager – Enterprise Data Platforms (CDAO) | Commonwealth Bank of Australia | Mar 2025 – Present

Accountable for shaping enterprise data platform strategy within a \$30M+ data modernisation program, defining future-state architecture across ingestion, transformation and consumption layers for the bank's analytical ecosystem.

- Led architecture evaluation and platform strategy for migration from Teradata to modern cloud-native architectures (Snowflake, AWS-native, Iceberg, dbt), directly influencing future-state platform direction at enterprise scale
- Defined target-state architecture patterns enabling scalable and reusable analytical capabilities across multiple business domains and future AI workloads
- Partnered with business, risk, and platform stakeholders to translate enterprise data requirements into structured platform capabilities supporting analytics and AI use cases
- Established data modelling and integration standards to improve consistency and sustainability of enterprise data assets across the bank
- Contributed as a member of enterprise design authority forums, ensuring alignment with architecture principles, governance standards, and long-term strategy

### Senior Manager – Data & Solution Architect (Risk Technology) | Macquarie Group – Corporate Operations Group | Nov 2022 – Mar 2025

Led architecture and delivery of enterprise data platforms supporting Market Risk, Model Risk, Compliance, and Regulatory Reporting across multiple risk subdivisions. Acted as a voting member in RMG Design Studio, reviewing and approving architecture across the division.

- Designed and implemented 'Data Junction', a reusable enterprise data platform integrating batch (Spark) and streaming (Kafka) pipelines for credit risk — improving data consistency and reducing duplication across multiple systems
- Architected a centralised market data platform consolidating multiple vendor feeds, enabling consistent downstream risk analytics and regulatory reporting
- Led migration of legacy market risk platforms to AWS, introducing modern architecture patterns and improving scalability and operational efficiency
- Delivered Model Risk Management platform from vendor selection through to implementation, strengthening governance and regulatory oversight capabilities

### Senior Manager – Non-Financial Risk Data & Analytics (2IC) | Macquarie Group – Risk Management Group | Mar 2020 – Nov 2022

Acted as 2IC to the Head of NFR Data, leading day-to-day operations of the data function and driving enterprise-wide analytics and reporting initiatives across global compliance and risk functions. Deputised for Head of NFR Data as required.

- Led development of global Non-Financial Risk reporting platform, consolidating data across multiple jurisdictions and improving executive and board-level visibility into risk positions
- Contributed to the design of the enterprise data operating model for Non-Financial Risk, establishing stewardship, ownership, and accountability frameworks across global jurisdictions
- Designed and implemented legal entity data platform, improving data ownership clarity and governance consistency across divisions
- Built analytics platforms supporting surveillance and employee compliance functions, ensuring secure and controlled reporting environments
- Led the Top 100 Critical Data Elements (CDE) initiative in response to APRA requirements — identifying, defining, and embedding data ownership and quality controls for the 100 most critical data elements across the enterprise
- Improved data quality and lineage visibility across multiple systems, reducing reporting inconsistencies and strengthening regulatory confidence

**Manager – Management Consulting (Data & Analytics) | KPMG Australia** | Mar 2017 – Mar 2020

Delivered enterprise data and analytics solutions across banking, telecommunications, insurance, and government sectors.

- Led data platform review for a major state insurance provider, identifying operational efficiencies and tooling optimisation opportunities valued at \$10M+
- Designed data rules engines and validation frameworks for a major insurance provider to improve reporting accuracy and regulatory compliance
- Redefined operational performance metrics for a major Australian telco, improving visibility and reducing time to resolve issues by 18%
- Designed an end-to-end monitoring and reporting solution for a government agency, improving reporting cycle from T+2 to same-day
- Supported ASIC-related remediation program for a major Australian insurer through analytics and reporting uplift

**Assistant Manager – Management Consulting | KPMG India** | Sep 2013 – Feb 2017

Data Specialist within the TMT Consulting division, working with telecom operators and organisations to improve business practices through data-powered decisions.

**Associate – Project | Cognizant Technology Services** | Jan 2010 – Sep 2013

Team and functional lead within the Banking & Financial Services sector, providing operational support and ETL development for leading banks in the US and UK.

**ENTERPRISE LEADERSHIP IMPACT**

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- Shaped data platform strategy for Australia's largest bank (\$30M+ program) and a top-tier global investment bank, influencing architecture decisions across multiple business domains
- Delivered global risk reporting and analytics platforms supporting board-level decision-making across Market Risk, Non-Financial Risk, Compliance and Regulatory Reporting
- Established enterprise data operating model frameworks and critical data element programs in direct response to APRA regulatory requirements
- Built reusable data platform patterns — reducing duplication, improving scalability, and enabling governed, enterprise-wide data consumption across multiple domains
- Demonstrated track record of operating at executive level, influencing design authority forums and acting as senior technical representative across Risk, Technology and Business