

Principal Architect – Data



Purpose

Responsible for designing, creating, and managing TSB's data architecture. This role is critical in establishing a solid foundation for data management within an organisation, ensuring that data is organised, accessible, secure, and aligned with business objectives by developing and maintaining data frameworks, models and policies.

Role dimensions

- **Reports to:** Head of Enterprise Architecture
- **Division:** Technology Services
- **Job family:** Architecture
- **Location:** Auckland, New Plymouth and Wellington
- **Direct Reports:** No
- **Financial Authority:** N/A

Person specifications

Education

- A bachelor's degree in computer science, data science, engineering, or related field.

Experience

- At least 7 years of relevant experience in design and implementation of data models for enterprise data warehouse initiatives.
- Experience leading projects involving data warehousing, data modeling, and data analysis.
- Design experience in Azure Databricks, Python, Bicep, and Power BI/Tableau.

Role specific areas of responsibility

- Interprets and delivers impactful strategic plans improving data integration, data quality, and data delivery in support of business initiatives and roadmaps.
- Designs the structure and layout of data systems, including databases, warehouses, and lakes.
- Selects and implements database management systems that meet the organization's needs by defining data schemas, optimising data storage, and establishing data access controls and security measures.
- Defines and implements the long-term technology strategy and innovations roadmaps across analytics, data engineering, and data platforms.
- Designs and implements processes for the ETL process from various sources into the organisation's data systems.
- Translates high-level business requirements into data models and appropriate metadata, test data, and data quality standards.
- Manages senior business stakeholders to secure strong engagement and ensures that the delivery of the project aligns with longer-term strategic roadmaps.
- Simplifies the existing data architecture, delivering reusable services and cost-saving opportunities in line with the policies and standards of the company.
- Leads and participates in the peer review and quality assurance of project architectural artifacts across the EA group through governance forums.
- Defines and manages standards, guidelines, and processes to ensure data quality.
- Works with IT teams, business analysts, and data analytics teams to understand data consumers' needs and develop solutions.
- Evaluates and recommends emerging technologies for data management, storage, and analytics.