

DATA ARCHITECT

Position Number:	T244012
Banding/Remuneration:	Annualised
Division/Branch:	Corporate Services/Digital and Technology
Reports To:	Lead Data Analytics & Integrations
Date Approved:	July 2026

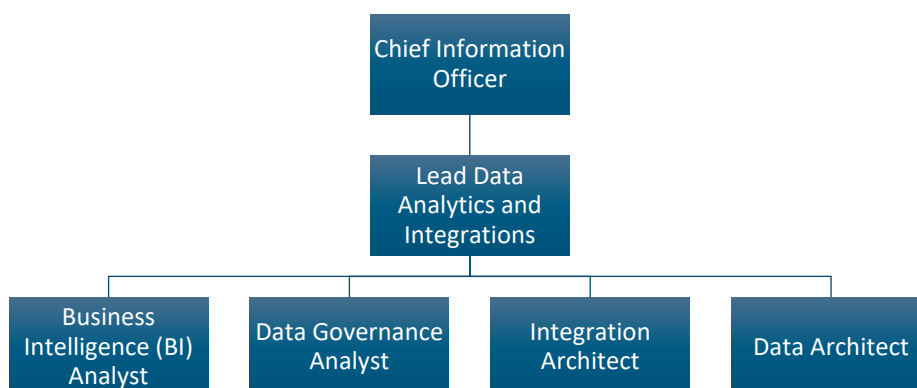
Position Objectives:

The Data Architect is a senior specialist role responsible for shaping and evolving Council's enterprise data capability to support strategic, operational and regulatory outcomes. The role ensures Council's data platforms, integrations, information assets, analytics and AI capabilities are designed, governed and maintained to deliver trusted, secure and scalable data services across the organisation.

Reporting to the Lead Data Analytics and Integrations, the Data Architect leads the development of Council's enterprise data architecture, data models, standards and integration frameworks across the Azure data platform. The role combines strategic architectural leadership with hands-on technical delivery to establish reusable, sustainable and fit-for-purpose data solutions.

Working in partnership with the Data Team, the role promotes effective data management practices across the organisation and ensures data is managed throughout its lifecycle, from acquisition and integration through to quality, security, reporting, retention and disposal. The position is instrumental in enabling the delivery of Council's Data & AI Enablement Strategy, statutory reporting obligations, enterprise data platform initiatives and future Customer Experience outcomes.

Team Structure:



Key Responsibility Areas:

- Develop and govern Council's enterprise data architecture, including data standards, data models, architectural principles and data integration patterns
- Lead the design, enhancement and optimisation of Council's Azure-based modern data platform, ensuring scalable, secure and resilient data solutions
- Design, develop and oversee data integrations, pipelines and reusable data assets that support operational, analytical and other statutory reporting requirements
- Partner with the Data Team to strengthen data governance, data quality, metadata management, security, compliance and lifecycle management practices
- Enable trusted data foundations for business intelligence, analytics, AI and other data initiatives
- Provide strategic advice and technical leadership on data-related investments, emerging technologies and enterprise-wide data capabilities
- Translate business requirements into sustainable data solutions while promoting a data-driven culture and continuous improvement across the organisation

Accountability and Extent of Authority:

- The Data Architect is directly accountable to the Lead Data Analytics & Integrations and Project Managers for the successful delivery of data architecture, data platform and project outcomes, including regular reporting on progress, risks, issues and deliverables
- Accountable for the development, governance and continuous improvement of Council's enterprise data architecture, data models, standards, data integration patterns and data management practices
- Provide regular reports and updates to the Lead Data Analytics & Integrations and Project Managers, ensuring alignment with project plans, timelines, and governance
- Operates with freedom to act within established guidelines set by the Digital & Technology Branch, ensuring alignment with enterprise architecture, security, and compliance policies
- Responsible for the development, implementation, and periodic review of relevant policies and procedures to ensure consistency, security, and efficiency in data management practices

Judgement and Decision Making:

- Exercise independent judgment in managing project deliverables, prioritizing issues, and escalating risks or roadblocks as required
- Evaluates the costs, benefits, risks and long-term impacts of data, data integration, analytics and data platform investments to ensure alignment with Council's strategic objectives
- Address complex and unique technical challenges that may not have predefined solutions, requiring creative problem-solving and innovative thinking
- Leverage insights from external sources, industry best practices, and emerging technologies when solutions are not immediately available within existing documentation or frameworks
- Provide expert advice and recommendations, even in situations where guidance and precedents are limited or unavailable

Specialist Knowledge and Skills:

- Extensive expertise in enterprise data architecture, modern data platform design, enterprise data warehousing, and Conceptual, Logical and Physical Data Modelling (CDM, LDM and PDM)
- Strong hands-on experience across the Microsoft Azure data ecosystem, including Azure Data Factory, Azure SQL, Azure Data Lake, Power BI, Microsoft Fabric, Databricks and related cloud data technologies
- Proven capability in designing and implementing data integration solutions, ELT frameworks, APIs, scalable data pipelines, workload orchestration and performance optimisation
- Advanced knowledge of Lakehouse and medallion architecture patterns (Bronze, Silver and Gold), data engineering best practices, and analytics platform design
- Strong understanding of data governance, metadata management, master data management, data quality, data lineage, information security, privacy and regulatory compliance requirements
- Demonstrated experience in designing secure, scalable and resilient architectures, including identity management, access controls, monitoring, optimisation and lifecycle management of enterprise data assets
- Strong knowledge of GIT, DevOps and CI/CD practices, with the ability to provide strategic architectural leadership while maintaining hands-on technical delivery capability across data, analytics and AI solutions

Interpersonal Skills:

- This position requires exceptional written and verbal communication skills including the ability to translate and present highly technical concepts in a meaningful way to engage non-technical stakeholders and influence across all levels of Council
- Strong collaboration skills to deliver data architecture outcomes in alignment with the Digital & Technology Strategy
- Demonstrated ability to engage, influence, and manage diverse groups of stakeholders and vendors including managing complex and sensitive consultations and negotiations to ensure DT solutions are aligned with the strategic objectives of the DT Branch and Council
- Strong consulting, analytical and problem-solving skills, with the ability to understand business requirements and develop practical, value-driven solutions

Qualifications and Experiences

- Degree qualification in Computer Science, Information Technology, Data Management or a relevant field with at least 10+ years of experience in data architecture, data modelling, data integration, data governance, reporting and analytics using Microsoft Azure
- Demonstrated experience in a Data Architect, Data Platform Architect or equivalent role within a complex enterprise environment
- Proven experience designing, implementing and governing enterprise data architectures, modern data platforms and enterprise data warehouses
- Extensive hands-on experience across the Microsoft Azure data ecosystem, including Azure Data Factory, Azure SQL, Azure Data Lake, Power BI, Microsoft Fabric, Databricks and related cloud technologies
- Demonstrated experience in enterprise data modelling, including Conceptual, Logical and Physical Data Models (CDM, LDM and PDM)

- Proven experience delivering complex data integration, API, ETL/ELT, data pipeline and workload orchestration solutions across multiple enterprise applications and data sources
- Experience implementing data governance, data quality, metadata management, data lineage, privacy, security and compliance practices within enterprise environments
- Demonstrated experience in designing secure, scalable and resilient data solutions that support analytics, reporting, AI and operational business requirements
- Experienced in applying DevOps practices, source control and CI/CD methodologies, including hands-on experience with Git and modern deployment frameworks

Key Selection Criteria:

- Demonstrated experience in enterprise data architecture, including the design, implementation and governance of modern cloud-based data platforms, architecture standards and data integration frameworks and patterns
- Extensive hands-on experience with Microsoft Azure, Microsoft Fabric and Databricks, including Azure Data Factory, Azure SQL, Azure Data Lake, Power BI and enterprise analytics platforms
- Proven expertise in enterprise data modelling and data warehousing, including Conceptual, Logical and Physical Data Models (CDM, LDM and PDM), dimensional modelling and enterprise data architecture
- Demonstrated experience designing modern Lakehouse architectures, including the implementation of Medallion Architecture patterns (Bronze, Silver and Gold layers) to support scalable, trusted and reusable data products
- Demonstrated experience designing and delivering data integration solutions, ELT processes, APIs, data pipelines, workload orchestration and platform optimisation within complex enterprise environments
- Strong knowledge and practical application of data governance, data quality, metadata management, data lineage, security, privacy, compliance and data lifecycle management
- Highly developed stakeholder engagement, communication and influencing skills, with the ability to translate business requirements into scalable technical solutions and provide expert advice to senior leaders and stakeholders
- Proven ability to provide strategic architectural leadership while maintaining hands-on technical delivery capability, driving data, analytics and AI initiatives that deliver measurable business outcomes