



Data Architect

Position Number:	100749	Portfolio:	Strategy and Performance
Classification:	Level 7	Reports to:	Enterprise Architect, Level 8
Location:	Joondalup	Direct Reports:	Nil

Description

The Data Architect role will work with key business stakeholders across the large programs of business change, with external agencies, suppliers and customers, and will be responsible for developing data architectures, enabling data integration and data sharing initiatives, articulating strategies and actionable roadmaps, and implementing and managing overarching data governance processes. The Data Architect will chair the cross-functional data working group, essential to supporting the department's maturity toward becoming an insights and evidence-based, data-driven regulator in a climate of legislative reform.

The department's data assets are at the heart of the organisation's capabilities and functions. Their structure, integration, composition, and integrity are critical to the successful implementation of the department's Environment Online (EO) Program as well as other future digital transformations. The department requires absolute trust in the veracity of its core operational systems of data and the capability to gain new insights.

Responsibilities

Solution Architecture (ARCH)

- Leads the development of architectures for complex data solutions, ensuring consistency with specified requirements agreed with both external, and internal customers.
- Takes full responsibility for the balance between functional, service quality and systems management requirements within the data domain.
- Ensures that appropriate standards (corporate, industry, legislative, governance, privacy, national and international) are adhered to with respect to data architecture and data solutions.
- Within business change programs, manages the target design, policies, and standards, working proactively to ensure long-term strategic benefit is obtained from enterprise data assets.

Data Modelling and Design (DTAN)

- Sets standards for data modelling and design tools and techniques, advises on their application, and ensures compliance.
- Manages the investigation of corporate data requirements, and co-ordinates the application of data analysis, design and modelling techniques, based upon a detailed understanding of the corporate information requirements, in order to establish, modify or maintain data structures and their associated components (entity descriptions, relationship descriptions, attribute definitions).
- Coordinates the application of analysis, design and modelling techniques to establish, modify or maintain data structures and their associated components.
- Manages the iteration, review and maintenance of data requirements and data models.



Data Management (DATM)

- Devises and implements data governance frameworks and practices as well as master data management processes, including classification, security, quality, ethical principles, retrieval and retention processes.
- Derives data management structures and metadata to support consistency of information retrieval, combination, analysis, pattern recognition and interpretation, throughout the organisation.

Analytics (DAAN)

- Provides expert oversight and guidance regarding the exploitation of complex data and information from a range of sources (including State and Commonwealth government agencies, external commercial and not for profit stakeholders) and variety of information systems (including internal and external geospatial, business transactional, structured, non-structured systems).
- Provides strategic advice and best practice guidance for the use of analytics to meet overall business requirements, ensuring consistency across all user groups.
- Identifies and establishes the veracity of the external sources of information which are relevant to the operational needs of the enterprise.
- Develops analytics policy, standards, and guidelines.

Specialist Advice (TECH)

- Maintains a network of recognised experts (inside and/or outside the organisation) who can deliver expert advice in areas relevant to the organisation's current and future needs.
- Actively maintains recognised expert level knowledge in data architecture, data governance and analytics.
- Provides definitive and expert advice in their specialist area(s).
- Represents the Department and the Information Services team on internal and external committees and working groups associated with data governance and information management.

Stakeholder Relationship Management (RLMT)

- Chairs the department's cross-functional data working group - key to developing better data governance and a good data practice culture among internal and external data stakeholders.
- Builds long-term, strategic relationships with senior stakeholders (internal and external).
- Negotiates to ensure that stakeholders understand and agree what will meet their needs, and that appropriate agreements are defined.
- Facilitates open communication and discussion between stakeholders, acting as a single point of contact by developing, maintaining, and working to stakeholder engagement strategies and plans.

Strategic Planning (ITSP)

- Contributes to the development of the department's Digital Business Plan, information strategies and associated roadmaps.



Other

- Applying the guidelines and principles of the Western Australian Public Sector Code of Ethics and the Department's Code of Conduct within a framework of high ethical standards and behaviour.
- Performing duties in accordance with departmental policies, procedures, and relevant public sector legislation.
- Applying relevant safety procedures/guidelines and equal opportunity principles to work performance.
- Additional duties as required within the skill and scope of position capabilities and departmental needs.

SFIA Capabilities

This position operates in accordance with the [WA Public Sector Capability Profile](#): Level 7

The [Skills Framework for the Information Age \(SFIA\)](#) skills which apply to this position are outlined below. Employees are required to demonstrate competence and development toward these, which along with the work related requirements form the required capabilities of this position. Further information about the SFIA skills can be found at <https://sfia-online.org/en/sfia-9/all-skills-a-z>.

SFIA Skill Code	SFIA Skill	SFIA Level
Core Skills		
ARCH	Solution Architecture	6
DTAN	Data Modelling and Design	5
DATM	Data Management	5
DAAN	Data Analytics	6
TECH	Specialist Advice	6
RLMT	Stakeholder Relationship Management	5
Contributing skills		
ITSP	Strategic Planning	5

Our people, our leaders, our values

At DWER, we see every employee as a leader. This belief drives our success. To support this, we have established clear [Leadership Expectations](#). For this role, is [Leading Leaders](#) Demonstrating the expected behaviours is crucial and aligned with the role's requirements.

Our culture is shaped by [values](#) created by our people. During the selection process, we will assess your ability to fulfil the role's responsibilities while upholding our values. We expect all employees to embody our values and showcase leadership in all aspects of their work.

We serve to make a difference | We build trust | We care | Open minds | Better Together



Work Related Requirements

Consider the following requirements in relation to the role description and responsibilities outlined above.

Essential

- You have tertiary qualifications or significant experience in senior information technology roles, with a strong foundation in data architecture and governance. including experience developing artefacts, data models, and roadmaps related to the Data / Information architecture domain. You have knowledge of, and experience working with, one or more architecture frameworks. *(you think strategically and drive innovation)*
- You have significant experience working across multiple data technology stacks, including both legacy systems and modern cloud platforms. *(you embrace technology and innovation)*
- You have demonstrated expertise in developing and leading the adoption of good data governance in enterprise environments. *(you act with integrity and accountability)*
- You have a proven track record of leadership and mentoring, successfully guiding teams as a manager, technical lead, or subject matter expert. You foster collaboration and capability development while driving large-scale data initiatives to completion *(you build capability and empower others).*
- You have excellent verbal and written communication skills, with the ability to successfully present complex data architecture and data governance concepts to senior stakeholders. *(you communicate with clarity and impact)*

Desirable

- You have a certification in TOGAF 9, or similar enterprise architecture frameworks
- You have a strong background in database administration, data analytics, or data science, with experience in Data Warehouse design, Data Migration design, Master Data Management (MDM), and data governance initiatives.
- You have advanced knowledge and experience in delivering data analytics solutions, leveraging Microsoft Azure and other advanced analytics tools
- You have experience working with geospatial systems and geospatial datasets
- You have practical knowledge of State Government supply and contract management procedures, ensuring compliance with procurement regulations and effectively managing vendor relationships to support data initiatives.

Special Requirements

- The department will conduct a national police check before offering employment.