

Position Description – Senior Data & Analytics Architect & Engineer

Updated 20/05/2026

POSITION DETAILS	
Portfolio	Corporate Services
Organisational Unit	Information and Digital Services (IDS)
Supervisor (Title)	Senior IDS Platforms Lead, AI and Data Success
Classification	Higher Education Officer Level 8
Employment Type	Continuing, full-time

POSITION SUMMARY
<p>Under broad direction, the role is responsible for providing technical and operational design, planning, development, configuration, maintenance and support of data and analytical services in accordance with IDS data and analytics architecture principles, guardrails and design standards.</p> <p>The role is also responsible for supporting and aligning with the IDS Data and Analytics Capability Hub where all relevant IDS data and analytics resources have either a full or dotted reporting line into.</p>

UNIVERSITY EXPECTATIONS AND VALUES
<p>All staff at Flinders are responsible for understanding their obligations and responsibilities as set out in the University's code of conduct and are expected to:</p> <ul style="list-style-type: none"> • demonstrate commitment to the University's values of Integrity, Courage, Innovation and Excellence • demonstrate consistent alignment with the University's strategic priorities through daily decisions, teamwork and behaviours that reinforce the strategic intent. • contribute to the efficient and effective functioning of the team or work unit to meet the University's objectives. This includes demonstrating appropriate and professional workplace behaviours, providing assistance to team members, if required, and undertaking other key responsibilities or activities as directed by one's supervisor; • promote and support an inclusive workplace culture which values diversity and embraces the principles of equal opportunity; • perform their responsibilities in a manner which reflects and responds to continuous improvement; and • familiarise themselves and comply with the University's <i>Work Health and Safety, Injury Management and Equal Opportunity</i> policies. <p><i>Flinders University is committed to providing a safe, respectful and inclusive environment, free from gender-based violence. Appointment to this role is conditional on the completion of required pre-employment checks and declarations, each of which must be satisfactory to the University. This includes a Gender-Based Violence declaration, in accordance with the National Higher Education Code to Prevent and Respond to Gender-Based Violence (2025), and a Nationally Coordinated Criminal History Check.</i></p>

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KEY POSITION RESPONSIBILITIES

The Senior Data & Analytics Architect & Engineer is accountable for:

Technical Management & Support

1. Leading the ongoing support, development, and maintenance of the data and analytics platform (including the data warehouse, database design and data transformation, ETL, stored procedures and data quality) and all relevant data and analytical tools.
2. Supporting the design, development and management of the University's data and analytics architecture and strategy.
3. Providing guidance, reporting and support to governance forums, projects, product owners, solution architects, technology vendors and designers to ensure that data and analytics architectures and designs are aligned with the IDS data and analytics architecture principles, guardrails and design standards.
4. Providing governance and assurance services for solution designs and technology options to ensure alignment with data and analytics architecture frameworks, principles, guardrails and design standards.
5. Working as required, directly or indirectly with project teams to support the delivery of project outcomes.

Technical Vision & Roadmap

6. Supporting the relevant stakeholders in the development, implementation and management of the vision and associated roadmap for IDS data and analytics architecture, ensuring the vision and roadmap is aligned to the strategic objectives and relevant governance principles of IDS and Flinders.
7. Maintaining the relevant supporting artefacts and leading the periodical review of the IDS data and analytics vision and roadmap to ensure it is kept up to date and well understood by relevant stakeholders.
8. Supporting the development of business cases for new or enhanced technologies and solutions to support the delivery of the roadmap.

Technical Knowledge & Excellence

9. Conducting formal and informal market scanning and benchmarking activities to be aware of emerging market offerings and trends.
10. Periodically participating in knowledge building activities and events to be aware of latest/best practices related to the role and to keep skills and knowledge up to date.
11. Managing the provision of timely and effective advice and support to customers and stakeholders by identifying improvements to support services and providing technical expertise to enable customers to adopt new technologies and processes.

Risk, Governance & Ways of Working

12. Managing day-to-day vendor interactions and relationships using sound commercial judgement in accordance with University procurement policies.
13. Establishing and maintaining an agile based way of working to manage, refine, and prioritise the activity backlog based on relevant customer and IDS priorities. Balancing the need to support day to day operations in a stable and reliable manner, with the need to undertake functional enhancements and new features for customers.
14. Identifying, managing and mitigating risks related to the activities being undertaken by the role in line with IDS and Flinders University policies and procedures.
15. Ensuring compliance with all relevant IDS and Flinders University policies and procedures.

Other Responsibilities

16. Any other responsibilities in line with the level of the role as assigned by the Supervisor and/or the University.

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KEY POSITION CAPABILITIES

- Appropriate tertiary qualification in Information Technology or relevant technical area, and / or equivalent relevant experience in an IT environment.
- High level strategic thinking, data and analytical skills to support outcomes and meet the University's strategic goals.
- High level skills in leading a team to its full potential, including high level interpersonal and relationship management skills.
- Broad experience in building and managing customer relationships and expectations.
- Broad experience in agile ways of working including exposure to scaled agile methodologies and/or collaborating and delivering through a matrix structure.
- High level self-improvement and growth mindset/approach to the role and as part of a wider team.
- High level interpersonal influence and demonstrated ability to negotiate and communicate effectively with staff and customers across a diverse organisation particularly during the design, management and implementation of customer solutions.
- High level experience in data warehousing or business intelligence design, or the use of associated tools, or with processes of implementation.
- High level experience in enterprise data modelling and database design in a large organisation.
- Higher education experience advantageous.

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