

POSITION DESCRIPTION



Senior Integration Analyst Developer

POSITION DETAILS

Position Title	Senior Integration Analyst Developer
Classification	HEW Level 8
Position Number	
School/Office	DVC, Research and Innovation
Division	Research and Innovation

POSITION PURPOSE

The Senior Integration Analyst Developer designs, builds, and maintains integration solutions that enable secure, reliable, and efficient data exchange between systems. Working under the guidance of the Director of Operations and in alignment with the Data Office team, the role implements and supports integration components that meet business requirements and governance standards. The position applies best-practice integration methods, automation, and quality assurance to ensure services are scalable, maintainable, and fit for purpose.

KEY ACCOUNTABILITIES

- Design, develop and maintain integration services and APIs to enable secure and reliable data exchange between systems.
- Diagnose and repair integration services and APIs in new environments, enhancing security and reliability of cross-system data exchange.
- Implement integration solutions that align with architectural standards, governance requirements, and security policies.
- Apply automated monitoring, logging, and error-handling processes to ensure integrations remain stable and efficient.
- Collaborate with stakeholders to clarify requirements and deliver integration solutions that meet business needs.
- Maintain clear documentation for integration processes, technical specifications and data flows.
- Work with data engineers and platform teams to ensure integrations align with broader data platform architecture.
- Conduct quality assurance checks, testing, and performance tuning for integration services.
- Stay current with integration technologies, tools, and best practices, recommending improvements where applicable.

- Recommend and influence integration architecture decisions to support strategic data initiatives.
- Lead the evaluation and adoption of emerging integration technologies and tools.
- Provide expert advice on integration best practices, security, and governance to technical and business stakeholders.
- Contribute to the development of integration standards and policies across the university.

QUALIFICATIONS, EXPERIENCE AND SKILLS

1. Tertiary qualification (preferably post graduate) in Information Technology, Computer Science, or a related field.
2. Minimum 5 years' experience in developing and supporting integration services or APIs in a complex environment.
3. Hands-on experience with Azure Data Factory, including pipeline design, orchestration, and monitoring.
4. Proficiency in integration technologies, frameworks, and tools (e.g., REST, SOAP, ESB, ETL).
5. Experience with cloud-based integration platforms and middleware.
6. Strong understanding of data formats and transformation (e.g., JSON, XML, CSV).
7. Commitment to quality, security, and governance in all deliverables.

Desirable

- Experience in higher education, public sector, or other regulated industries.
- Familiarity with CI/CD practices, version control systems (e.g., Git), and Azure DevOps.

KEY RELATIONSHIPS

- **This position reports to:** Director of Operations
- **This position supervises:** No supervisory responsibilities
- **Key internal relationships:**
 - Graduate Research Studies
 - Ethics
 - Research Performance
 - Research Income/Services
 - Data and Business Intelligence
 - Digital Services
 - Business system owners
- **Key external relationships:**
 - Vendor and solution partners

CHALLENGES

- Designing and maintaining integrations that perform reliably under high data volumes and complex workflows.
- Diagnose and resolve cross-environment integration issues, optimising performance and reliability for high-volume data processing and complex workflows.
- Managing and prioritising a diverse range of integration fixes across multiple platforms, often with competing timelines and dependencies.
- Navigating evolving business requirements while ensuring alignment with architectural, security, and governance standards.
- Leading the adopting of new integration technologies and practices across teams.
- Ensuring integration solutions support enterprise-wide data strategy.

OCCUPATION SPECIFIC CAPABILITY SET

CAPABILITY GROUP 	CAPABILITY NAME	DESCRIPTION	LEVEL
Strategy and architecture	Risk Management	Identifies risks and vulnerabilities, assess their impact and probability, develops mitigation strategies and reports to the business.	L4
Strategy and architecture	Technical specialism	Provides professional advice that informs operational leadership and influences the translation of strategy into operations in their specialist area.	L5
Strategy and architecture	Methods and tools	Provides authoritative advice and leadership to promote adoption of methods and tools and adherence to policies and standards.	L5
Development and implementation	Systems Design	Reviews systems designs and ensures appropriate methods, tools and techniques are applied effectively. Makes recommendations and assesses and manages associated risks.	L5
Development and implementation	Programming / Software Development	Takes technical responsibility across all stages and iterations of software development.	L5
Development and implementation	Systems integration and build	Leads integration work in line with the agreed system and service design. Assesses risks and takes preventative action. Measures and monitors applications of standards.	L5
Development and implementation	Software Configuration	Measures and monitors the application of standards for configuration design and deployment including software security.	L5
Development and implementation	Data Analysis	Coordinates the application of analysis, design and modelling techniques to establish, modify or maintain data structures and their associated components.	L5
Development and implementation	User experience analysis	Provides expert advice and guidance to support the adoption and adaptation of agreed approaches.	L5
Delivery and operation	Systems Installation and Removal	Monitors the effectiveness of installations and ensures appropriate recommendations for change are made.	L5

Delivery and operation	Change Control	Identifies problems and issues and recommend corrective actions.	L5
Change and transformation	Requirements definition and management	Obtains input and agreement to requirements from a diverse range of stakeholders. Negotiates with stakeholders to manage competing priorities and conflicts.	L5
Change and transformation	User Acceptance Testing	Ensures tests and results are documented, analysed and reported, highlighting issues and risks to stakeholders. Provides authoritative advice on acceptance testing planning and execution.	L5
Change and transformation	Business Process Improvement	Ensures tests and results are documented, analysed and reported, highlighting issues and risks to stakeholders. Provides authoritative advice on acceptance testing planning and execution.	L5

UNIVERSITY EXPECTATIONS

The University expects that all employees are aware of, and comply with legislation and Western's policies and procedures relevant to the position, including but not limited to:

- Code of Conduct
- Work Health and Safety and Wellbeing Management System
- Enterprise Agreement or Award
- Anti-discrimination principles, Equal Employment Opportunity and staff and student equity.

Approved by: Office of People

Date: 3/08/2026