

Data Engineering Specialist

Service Delivery

Position information

Group:	Digital, Technology & Information
Reports to:	Supervisor Data Engineering
Classification:	A05

Your role

The Data Engineering Specialist is responsible for designing, developing and maintaining robust and scalable data pipelines and architectures. You will use the technology tools available to implement CI/CD solutions that facilitate quick delivery, iteration and automation and apply approved data governance practices and highlight discrepancies. You will help foster a data driven culture, ensuring that our customers understand and utilize data effectively to drive informed decision making and innovation.

Appointment to this role is subject to the provision of a national police check. Please note that people with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

Seqwater's vision, values and promise

Water is essential for life. At Seqwater, it is our job to provide water for more than three million people across South East Queensland. We live and work in the communities we serve, and we proudly work together to deliver on our vision of Water for Life. We do this by living our values and keeping to our promise - Safe for Life.

Integrity, respect, care and courage are at the heart of the way we work and interact with our colleagues, stakeholders, customers and the communities every day.

We commit to delivering a high standard of customer service aligned to our strategic vision. We value working collaboratively with our internal & external customers to improve service delivery.

About your group

The Digital, Technology and Information group develop and implement Seqwater's strategic technology framework to maximise the value of technology related business investments that assist Seqwater to achieve corporate and operational goals. This group takes the lead on the development of new and innovative technologies that deliver efficiency and connectivity.



Key relationships

Leads others:	Nil
Internal customers:	Subject matter experts Solutions Delivery Service Delivery DTI Performance Cyber Security
External customers:	Software vendors and consulting organisations

Key responsibilities

- Development, monitoring, maintenance, and documentation of data transformations that enable the transfer of data between Seqwater Systems.
- Development, monitoring, maintenance, and documentation of data models, reports and dashboards that accurately reflect the varying requirements of Seqwater teams.
- Mentoring data consumers on the appropriate use of data models.
- Abide by and advocate relevant development and data governance policies and strategies when developing solutions.
- Application of CI/CD practices that automate processes that reduce manual effort, improve data quality/integrity and reduce the risk of deployment failures.
- Provide advice on new and emerging technologies and how they could be used by Seqwater.
- Observe and comply with all Seqwater work health and safety, quality and environmental management systems and procedures.
- Undertake other duties, which are assigned from time to time by the Leader.
- In all duties, comply with the behavioural expectations set out in The Way We Work (Seqwater's Code of Conduct), and our policies and procedures.

Qualifications and experience

Essentials

- Bachelor's degree in computer science information systems or related field and / or an equivalent combination of experience and education.
- Proven experience in data transformation, ETL development, or data integration roles.
- Knowledge of the capabilities of Microsoft Fabric.

Desirables

- Experience in:
 - Git based source control and deployment pipelines.
 - Data modelling and data transformation.
 - SQL, DAX and PySpark programming languages.
 - Modern data transformation tools (e.g. Microsoft Data Factory).
 - Microsoft SQL Server technologies (Integration Services, Reporting Services).
 - Microsoft Power BI.
 - Experience in using CD/CD processes and tools to deliver data products.
 - Azure Devops Pipelines to implement CI/CD Practices.
 - Cloud based AI and ML PaaS Services (Azure and AWS).
 - Tableau.

Job capability requirements

- Proven data integration analysis skills, including data extraction, profiling and quality analysis.
- A strong focus on data quality, performance and security.
- A thorough understanding of AGILE Scrum development methodologies and how they are applied in a team environment.
- Strong knowledge of data modelling methodologies.
- Strong knowledge of modern cloud-based data and analytics platforms.
- Ability to proactively communicate and engage (in person and virtually) with diverse teams and stakeholders that result in efficient delivery of deliver business outcomes.
- Demonstrated ability to develop technical and solution documentation.
- Maintain a tool agnostic approach to data engineering.
- Strong creative skills in representing data via reports and dashboards.
- Alignment with Seqwater values.

