

**Position details**

<b>Title of Position:</b>	Data Engineer
<b>Reports to (position title):</b>	Data and Insights Manager
<b>Division:</b>	Capability
<b>Function:</b>	Technology
<b>Number of Direct Reports:</b>	Nil
<b>Grade:</b>	6

**Health, Safety & Wellbeing**

*ElectraNet is committed to co-creating a workplace of choice and enriching the communities in which we operate.*

As an industry leader, ElectraNet is at the forefront of the clean energy transition. We are socially and environmentally ambitious, and our continued commitment to developing, operating and maintaining our network in a way that creates opportunities for people and nature to thrive is essential to achieving our vision of energising South Australia's Clean Energy future.

Our commitment also drives our focus to create a physical and psychosocial environment that supports the health, safety and wellbeing of our people.

We all contribute to ElectraNet's workplace culture and have a duty of care to ourselves and one another to work safely, assess and manage risk, courageously speak up and promptly report any unsafe working practices, hazardous working conditions or security threats and to collectively learn and grow from every opportunity.

**Position Overview**

The Data Engineer designs, builds and operates reliable end-to-end data pipelines and data models that transform raw operational data into trusted, analytics-ready information assets to support reporting, analysis and decision-making across the organisation.

The role exists to address challenges such as fragmented data, inconsistent data quality, brittle integrations and analytically unusable datasets by ensuring data is consistently collected, transformed, modelled and governed. Working within agreed architecture, security, governance and platform standards, the role owns the delivery and operational reliability of designated pipelines and data assets, ensuring integrity, performance and availability.

Success in this role is characterised by predictable and resilient pipelines and models with embedded quality controls and observability, enabling trusted analytics-ready data aligned to business concepts and measures.

**Key Responsibilities****People Leadership**

- Share knowledge and provide practical support to peers, including documenting solutions and contributing to reusable engineering patterns.

- Actively participate in continuous improvement through retrospectives, incident reviews and lessons learned.

### Operational & Technical

- Own the design, build and operation of data ingestion, transformation and orchestration pipelines spanning source systems through curated and analytics layers.
- Develop and maintain curated and analytics layer data models that underpin reporting, dashboards and analytical use cases, ensuring models are consistently defined, interpretable and aligned to business concepts, metrics and measures.
- Optimise and evolve scalable, repeatable ELT/ETL patterns to improve performance, reusability, reliability and cost efficiency over time. Embed data quality controls (validation, reconciliation, anomaly detection) into engineered solutions, and lead remediation of data quality issues for owned assets in partnership with data owners and stakeholders, confirming root cause and prevention controls Embed metadata, lineage, security and governance requirements into pipelines and models, supporting auditability and responsible access to data.
- Independently diagnose, troubleshoot and resolve complex pipeline and dataset issues, undertaking root cause analysis and implementing preventative improvements Make informed engineering and design decisions within agreed architecture patterns and platform standards, escalating material risks or constraints early with clear options and impacts.

### Contributing to project planning and controls:

- Own estimation and delivery planning for assigned data engineering work, identifying dependencies, risks and operational impacts and proposing mitigations.
- Support delivery using agreed ways of working (e.g., DevOps/DataOps practices), including backlog management, technical tasks, testing activities and release readiness.
- Provide transparent progress updates and evidence of completion through agreed tooling and documentation.

### Contributing to contract management:

- Support delivery work involving external vendors or partners where required by clearly defining technical requirements, integration expectations and acceptance criteria.
- Assist with evaluation of delivered outputs against standards for reliability, security, documentation and operational supportability.

### Contributing to stakeholder engagement:

- Partner with stakeholders to clarify outcomes, translate needs into engineering requirements, and recommend practical options with trade offs (cost, risk, performance, timeliness)
- Partner with data governance and data owners to ensure definitions, lineage, access and quality expectations are understood and implemented.
- Communicate technical concepts in clear, practical language, helping stakeholders understand constraints, trade-offs and impacts.

### Behavioural

- Build and maintain strong working relationships with and between internal and external stakeholders, delivering a high level of customer service.
- Create and develop a respectful workplace environment that values cultural diversity, innovation, open discussion and cross functional collaboration to help drive high performance.
- Lead by example; role model desired behaviour and priorities, demonstrate personal accountability for self-development and for achieving quality and timely result.
- Demonstrate behaviour that is consistent with ElectraNet's values, Code of Conduct and Acceptable Use of Technology Resources Policy while performing the role in a professional and ethical manner.
- Promote safe work practises that support the safety of all workers and the security of ElectraNet's assets, proactively reporting safety incidents, near misses and security threats.

### Significant Working Relationships

- Senior Data Engineer
- Data, analytics and reporting stakeholders across the business
- Technology platform teams (security, integration, environment/platform operations)
- Data governance and data owners (as applicable)

### Equipment & Technology Used

- Microsoft Azure / Microsoft data and analytics ecosystem, including services such as Fabric, Azure Data Factory, Synapse, Databricks (as applicable to the platform)
- Azure DevOps and/or relevant CI/CD tooling to support DataOps practices
- SQL and related engineering toolsets for modelling, transformation and optimisation
- Monitoring/observability tools used to support production pipeline reliability

### Selection Criteria

#### Knowledge & Experience

##### Essential

- Demonstrated hands-on experience designing, building and operating data ingestion, transformation and orchestration pipelines using modern ETL/ELT patterns.
- Strong SQL capability and experience developing reliable curated and analytics layer datasets suitable for reporting and analysis.
- Experience designing and maintaining data models (physical and analytical), with an understanding of modelling approaches such as dimensional modelling and other enterprise modelling patterns.
- Demonstrated capability embedding data quality, metadata/lineage, security and governance requirements into engineered solutions.
- Proven ability to build scalable, reliable and cost-effective data solutions aligned to enterprise standards and operational requirements.
- Working knowledge of DevOps/DataOps approaches, including CI/CD, version control, testing and release practices.
- Clear communication skills and the ability to translate requirements into practical engineering outcomes.

**Desirable**

- Experience working within Microsoft Azure data and analytics environments (e.g., Fabric, Azure Data Factory, Synapse, Databricks and related components).
- Experience in heavy-asset, safety-critical or regulated environments, where auditability and operational reliability are key.
- Flexible approach to working hours and after-hours commitments
- Electricity Industry background an advantage

**Qualifications**

- Relevant tertiary qualification in Information Technology, Computer Science, Data/Analytics, Engineering or related discipline, or equivalent practical experience.
- Relevant Microsoft/Azure certifications (desirable).

**Background Checks**

- Pre-employment checks, including background and security checks (such as global criminal checks) are required for this position, completed prior to commencement and repeated on a regular basis after appointment.

**NOTE:** Copies of the above listed qualifications/licences/certificates are required as evidence on appointment.