

Position Description



Position Title	Senior Data Engineer
Position No	00067470
Delegation Level	006
Job Designation	Data Analyst
Organisational Unit	Enterprise Performance & Insights
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	No
Medical Fitness Standard	Refer to relevant business instructions.
Performance Plan Type	Tech Professional Expert
Shiftworker	No
Classification (Range)	AS6 .1 - AS6 .4
Pay Scale Type	ASPT
Reports to Position	Principal Data Analyst

QUEENSLAND RAIL VALUES:

1 Queensland Rail - We do better together
Treat others with respect - We appreciate everyone's contributions and differences
Empower our people - We have confidence in our people
Act Safely - We work safe, to go home safe
Make a positive difference - We learn from today, to improve tomorrow

Position Purpose

Take on a pivotal role within the Enterprise Performance Reporting Team, working closely alongside the Principal Data Analyst and collaborating with the Lakehouse Architecture and utilize the Microsoft Azure platform to design and implement robust data solutions, actively participating in the development of data pipelines, ETL processes, and data quality frameworks to guarantee accurate and timely reporting mechanisms.

Position Responsibilities

1. Collaborate with Business Analysts, Data Analysts, and Data Modelers to thoroughly comprehend data platform requirements.
2. Work alongside the Enterprise Performance Reporting team to conceptualize, develop, and evaluate data solutions that align with functional requirements, data governance standards, and overall data architecture.
3. Participate in the creation of frameworks that support automation architecture for the platform.
4. Develop ETL/ELT processes driven by metadata, utilizing various tools including Azure Data Factory, Azure Databricks, and other relevant technologies.
5. Configure and maintain critical Azure based services and resources.
6. Perform unit testing of developed code and conduct peer reviews to uphold internal quality standards.
7. Implement Continuous Integration (CI) and Continuous Deployment (CD) practices through Azure DevOps for seamless automated deployments across all environments.

Additional Factors

The appointee will be required to :-
- Comply with Queensland Rail's Code of Conduct;
- Observe all legal and safety obligations of the organisation;

Position Description



What is the key selection criteria

1. Extensive knowledge of data platform requirements and expertise in understanding and analysing data platform needs.
2. High level of skill in data solution development with proficiency in crafting data solutions aligned with requirements and data governance.
3. High level of skill in ETL/ELT development with an in-depth familiarity in configuring and maintaining Azure services.
4. High level of skill in unit testing and code review with proven ability in code quality assurance.
5. High level of skills in programming languages like Python, SQL, etc.
6. Substantial knowledge of CI/CD practices and automation frameworks.
7. High level of problem-solving skills with the ability to address complex data engineering challenges.
8. High level of interpersonal communication skills (written & oral) to liaise effectively with a broad range of stakeholders.
9. Knowledge of and willingness to commit to and work within Queensland Rail's values and behaviours.

Pre-employment Checks:

Not Applicable

Health, Safety and Environment Responsibilities

Comply with the overarching document called Health, Safety and Environment Responsibilities MD-11-6843 located in the Safety and Environment Management System.

Personal Protective Equipment needs:

Refer to relevant business instructions.

Safety Publications

Refer to relevant business instructions.

Please Note:

Queensland Rail has a random alcohol and other drug testing program.
Testing can occur anywhere, at any time, on any day.