

Role Definition

Job title: Data Engineer
Reporting to: Head of Information Systems

Responsibilities

- Collaborate with the Information Systems team to design, develop, and maintain data pipelines, architectures, and databases to support architectural project needs.
- Implement data solutions that enable efficient extraction, transformation, and loading (ETL) processes for structured and unstructured data.
- Develop and optimize data workflows, ensuring data quality, integrity, and security across systems.
- Work closely with stakeholders to understand data requirements and translate them into technical specifications and solutions.
- Perform data analysis and contribute insights to support decision-making processes within architectural projects.
- Assist in the identification and implementation of appropriate data tools and technologies to enhance data management and analytics capabilities.
- Support the integration of new data sources and systems into existing architectures.
- Monitor and optimize database performance and troubleshoot issues as needed.
- Contribute to documentation and best practices for data engineering processes and procedures.
- Contribute, or otherwise assist, as required
- Equity, diversity & inclusion (EDI) is a core priority. To support and champion the embedding of this focus as a collective workforce responsibility, EDI should be integrated, where relevant, into all workstreams.
- Thorough knowledge of and compliance with F+P procedures and standards

Qualities and Skills required

- Able to demonstrate ability to undertake the above responsibilities
- Legally able to work in the country in which the position is based
- Bachelor's degree in Computer Science, Information Systems, or a related field. Relevant work experience can be considered in lieu of a degree.
- Proven experience in data engineering, database development, ETL processes, and data modeling.
- Proficiency in programming languages such as Python, SQL, and scripting languages for data manipulation and automation.
- Strong understanding of database technologies (e.g., SQL databases, NoSQL databases) and data warehousing concepts.
- Familiarity with cloud platforms (e.g., AWS, Azure, Google Cloud) and their data services.
- Experience with data pipeline orchestration tools (e.g., Apache Airflow, Luigi) and version control systems (e.g., Git).
- Knowledge of data governance, security, and compliance standards.
- Analytical mindset with the ability to solve complex problems and provide insights from data.
- Excellent communication skills to collaborate effectively with cross-functional teams and articulate technical concepts to non-technical stakeholders.
- Strong attention to detail and commitment to maintaining data accuracy and quality.
- Ability to work independently, manage multiple tasks, and adapt to evolving project requirements.

This description reflects the core activities of the role but is not intended to be all-inclusive and other duties within the group/department may be required in addition to changes in the

emphasis of duties as required from time to time. There is a requirement for the post holder to recognise this and adopt a flexible approach to work. Job descriptions will be reviewed regularly and where necessary revised in accordance with organisational needs. Any major changes will be discussed with the post holder.