

## POSITION DESCRIPTION

<b>Position title</b>	Data Engineer		
<b>Hours</b>	Full time	<b>Contract terms</b>	Permanent
<b>Location</b>	Surry Hills	<b>Department</b>	Technology
<b>Reporting to</b>	Head of Technology	<b>Number of Direct Reports</b>	0

### Department Overview

The Technology team is a small, experienced team of application, analytical and systems experienced members supporting the broader Redkite organisation. The team oversees the delivery of digital and systems to ensure the organisation can deliver on its purpose.

### Primary Purpose

The Data Engineer will support the business intelligence data science strategies and related initiatives that deliver comprehensive data models for actionable data reporting and analysis for commercial, functional, business leadership and team members. This role will have a strong focus on supporting the needs of the Redkite Services team and in particular the Research & Evaluation function.

Conceptualising, generating and maintaining data systems that allow data to be accessed and visualised. Data structure model and design, data normalisation, data indexing and cataloguing and data reporting will also be a key part of the role. Ongoing maintenance of an optimal data pipeline architecture for ingestion, processing of data and generating insights with the broader Redkite organisation.

Working alongside key stakeholders including the Research Team, Services, Marketing and Fundraising Teams to implement Redkite's data strategy.

### Key Focus Areas

- Design and deliver data architecture infrastructure to support a data lake, data visualisation, data integration on an AWS or Azure platform and relevant tools and applications
- Data structure model and design, data normalisation, indexing, cataloguing and reporting
- Perform design, creation, interpretation and management of large datasets to achieve the organisation's goals
- Evaluate datasets for accuracy and quality
- Develop best practices for data management, maintenance, reporting and security
- Work with Redkite's Research, Business Analysis, Services, Marketing and Fundraising teams to understand their data requirements and implement data solutions to support ongoing scalable solutions

- Assist the technology and research teams in data management projects
- Accountable for the design and development of new data applications for evaluating data for actionable insights
- Analyse Finance data models, create and optimise data ingestion processes for the Data Lake through ETL technologies like data replication and scripting with ETL tools like Talend
- Data security and governance with modern-day security controls

## Skills & Competencies

<b>Essential</b>	<ul style="list-style-type: none"> <li>• Minimum 2-3 years of experience in a Data Engineer role</li> <li>• Stakeholder engagement skills and experience and a collaborative working style</li> <li>• Either Azure SQL or AWS Stack (S3, Redshift, RDS, MySQL)</li> <li>• SQL knowledge and experience working with relational databases, query authoring (SQL) as well as familiarity with a variety of databases including either AWS (S3, Redshift) or Azure (SQL, NoSQL)</li> <li>• Experience with Python or similar programming language</li> <li>• Experience with at least one data pipeline and ETL tool like Databricks, Informatica, AWS Glue, Talend</li> <li>• Experience creating Logical and Physical data models and documenting ERD</li> <li>• Experience with data visualisation tools like Power BI, Tableau</li> <li>• Good experience with agile development methodologies</li> <li>• Capacity to successfully manage a pipeline of duties with minimal supervision</li> <li>• Excellent analytical and problem-solving skills.</li> </ul>
<b>Desirable</b>	<ul style="list-style-type: none"> <li>• Experience with Databricks, Spark or similar tools</li> <li>• Experience with Data mining, Data science and Predictive analytics is a plus.</li> <li>• Fundamentals of distributed systems like Apache Hadoop, Apache Spark</li> <li>• Experience with machine learning or related fields</li> <li>• Familiarity of usage and execution at scale of NoSQL solutions like MongoDB, CouchDB, Hbase, HIVE, and Cassandra</li> </ul>
<b>Qualifications &amp; Education</b>	<ul style="list-style-type: none"> <li>• Degree in Computer Science, Statistics, Informatics, Information Systems or another quantitative field OR equivalent experience</li> </ul>