

## Job Description

<b>JOB TITLE:</b>	Senior Data Engineer
<b>DEPARTMENT:</b>	Data Engineering
<b>JOB HOLDER:</b>	
<b>REPORTS TO:</b>	Head of Data Engineering

### Purpose of the Job:

As a Senior Data Engineer, the role holder will be responsible for operating within a team of data engineers that build and run the core components of an effective Azure Data Lake platform; encompassing key services such as Azure Blob Storage, Azure Data Factory, Databricks, SQL Data Warehousing and PowerBI for end-user data analytics and reporting. This role will play a senior role in the continuous utilisation, expansion, and refinement of these services, as well as the development of critical data models - capable of meeting a wide range of financial and underwriting reporting/analytics needs. This role will encompass a mix of data engineering and BI development skills, as well as an expectation for the role holder to contribute to technical strategy development; supporting Brit to continue its journey to develop its data platform on next-generation technology.

As a Senior Data Engineer, the role holder will;

- Design, develop, and hold accountability for core data engineering services, such as data orchestration and CICD pipelines
- Design and develop ETL/ELT processes, data lake architecture, data warehouse databases, data marts, cubes, reports and dashboards; in-line with company reporting strategy and best practise
- Design and develop models and databases both relational and dimensional to support reporting requirements.
- Create reporting solutions in line with standards, architectural principles and practices
- Assess change impact assessment on live systems and processes
- Work in an agile, proactive manner; delivering high quality solutions in agreed timescales
- Mentor and support junior data engineers/developers in the team

### Principal Accountabilities:

- Senior contributor on the design and build of Brit's enterprise strategic reporting solutions covering all components of Brit's data lake/MI/BI platform architecture and coding practices/standards
- Assess business requirements and build reporting solutions to meet business needs

- Follow and enforce SDLC best practices, standards and design principles covering all aspects of data lifecycle management and BI/MI solutions
- Assist in developing standards for data lakes, data ingestion, data access layers and BI solutions
- Ensure that adequate steps are taken to protect data and the Brit data platform
- Ensure that all new BI/MI requirements are met using the most appropriate architecture components
- Design appropriate BI/MI solutions to meet business needs
- Stay abreast of technology trends, state-of-the-art platforms, data engineering techniques/standards and industry trends to provide input on Brit's strategic roadmap
- Ensure Brit maintains a low technical debt & identify area(s) for automation and continuous improvement
- Develop Proof of Concepts to prove that business requirements can be met by technical solutions.

## **Education, Qualifications, Knowledge, Skills and Experience:**

### **Required Skills & Knowledge**

- Solid hands-on experience with Azure Data Lake (incl. Blob Storage, Delta) Azure Data Factory and Databricks
- Proven experience of SQL/Azure SQL data warehousing
- Proven experience of data engineering activities such as release management, environment controls, CICD pipeline orchestration
- Experience working with Python and Spark
- Proven ability of Microsoft BI software development including database / reporting development, full development cycle
- Strong data modelling, problem solving, information analysis, attention to detail, flexibility of approach
- The ability to deal directly with business functions and interpret their thoughts into successful data & analytics solutions
- The ability to design and develop complex BI/MI solutions in line with agreed architectural principles and toolsets.
- Capable of working closely with the business and delivering complex requirements to tight timescales.
- Strong interest in latest data engineering technologies, best practises, techniques and trends in the data industry

### **Highly Desirable Skills and Knowledge**

- Knowledge of London market insurance
- Extensive experience in the design and build of data warehouse/data lake
- Experience working with financial systems and business processes
- Experience of cloud architectures and solutions, especially Azure
- Experience of Infrastructure-as-Code e.g. Terraforms
- Agile development techniques (SCRUM, Kanban etc)

### **Required Toolsets**

- Azure Data Lake Storage, Analysis Services (Multidimensional/Tabular), Power BI, Azure Data Factory, Azure Databricks/Spark
- Microsoft SQL Server or Azure SQL DB
- Kimball data modelling

#### **Highly Desirable Toolsets**

- Python, MDX, DAX
- Azure DevOps

#### **Required Qualifications**

Degree Level or above (Science, Maths, Computing, Engineering or related subject preferred)

#### **Regulatory Conduct Rules:**

1. Act with integrity.
2. Act with due skill, care and diligence.
3. Be open and co-operative with Lloyd's, the FCA, the PRA, and other regulators.
4. Pay due regard to the interests of customers and treat them fairly.
5. Observe proper standards of market conduct.