

Job Description

Job Title:	Senior Data Engineer
Department:	Brit Technology

Technology at Brit

Brit has a leadership position at Lloyd's, the most well-known insurance market in the world. Leadership and Innovation are at the heart of Brit's passion for "writing the future." And that means at Brit, we write the risks so our customers can face the future fearlessly.

Our goal is to attract and retain the best talent in the market and empower those individuals to innovate, and champion the strategic objectives within the business. Our technology and data teams have led some of the most noteworthy developments in the London market:

- Ki, the market's first fully digital and algorithmically driven Lloyd's of London syndicate offering instant capacity, accessible anywhere, at any time, powered by Google cloud.
- Brit Direct Pay, a customer-focused claims Fintech solution that allows Brit's to make claims payments instantly, direct to card, a solution that no other Lloyd's insurer offers.
- And most recently, the creation of a proprietary machine learning algorithm designed to accelerate the identification of post catastrophe property damage, based on the use of ultra-high-resolution imagery, allows Brit to accelerate service to its customers when they need it most.

We value continuous learning & exploration, encouraging our engineers to constantly evolve and take advantage of the best-in-class technology & tooling.

If you have the drive to work in a flexible, fun, passionate Azure DevOps team, translating business needs and functional designs into technology solutions that can be deployed to add value within a business that appreciates the impact of technology, then the role of Senior Data Engineer at Brit is where you belong.

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 CI/CD 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

<ul style="list-style-type: none"> • 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
<p>Principal Accountabilities</p>
<ul style="list-style-type: none"> • 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.
<p>Regulatory Conduct Rules</p>
<ol style="list-style-type: none"> 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.
<p>Education, Qualifications, Knowledge, Skills and Experience</p>
<p>Required Skills & Knowledge</p> <ul style="list-style-type: none"> • 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)



As a term of your employment, you may be required to undertake such other duties as may reasonably be required of you in the post and department mentioned above.

Signed by the candidate.....

Name..... Dated.....