Job title:	**Data Products Engineer**	
Line manager:	**Head of Data Products**	
Grade *(if applicable):*	**1**	
Direct reports:		

Peabody

Role Purpose:

- Lead the implementation of data flows to connect operational systems, data for analytics and business intelligence (BI) systems. Responsible for designing, implementing, and maintaining our data infrastructure to ensure the efficient processing, storage, and retrieval of large datasets.

Key Activity:

- Work with data analysts, platform engineers and business SMEs in the development of Reporting and Analytics Products through the Data Platform. Have a good understanding of the business problems and use cases being delivered to provide the appropriate solutions and outcomes.

- Ensure that all data products are accurate, timely, and aligned with the strategic goals of the organisation. Provide technical guidance and mentorship to other data engineers and team members.

- This role requires a deep understanding of data engineering best practices, data architecture, and the ability to work with cross-functional teams to deliver high-quality data solutions.

- Design, develop, and optimise ETL processes using Databricks to handle large volumes of data efficiently.

- Implement best practices for data management, data governance, and data quality assurance

- Build and maintain scalable data architectures, ensuring data is organised, secure, and accessible. Integrate various data platforms and tools to create a cohesive and robust data ecosystem. Monitor and troubleshoot data pipeline issues, ensuring high availability and reliability of data services.

- Innovation and Improvement: Stay updated with the latest trends and advancements in data engineering, data platforms, and big data technologies.

- Continuously evaluate and improve existing data processes, identifying opportunities for automation and optimisation. Contribute to the development of data engineering standards and best practices within the organisation.

Success Metrics:

- Delivery of the analysis, design, and implementation of cutting-edge Azure data solutions for housing sources.
- Successful engineering and transformation of key data sources for Peabody to enable better reporting and analytics that improves services to properties and resident experience.
- Applied well documented and defined data pipelines that enable greater trust in data and reporting.

About you:

- Bachelor's degree or significant experience in Data Science, Computer Science, Information Systems, or a related field. A master's degree is advantageous.

- Understanding of the social housing sector and its unique challenges and requirements preferable however not required. Awareness of performance monitoring and targets within the housing industry would be advantageous.

- Very strong proficiency with Python and SQL is required, with preferable experience in Scala and R.

- You will have strong technical skills, with proficiency in Databricks, including Spark, Delta Lake, and MLflow.

- You can produce relevant data models across multiple subject areas, explain which models to use for which purpose, understand industry-recognised data modelling patterns and standards, and when to apply them, compare and align different data models.

- You will be able to design an appropriate metadata repository and present changes to existing metadata repositories, understand a range of tools for storing and working with metadata provide oversight and advice to more inexperienced members of the team

- Experience in implementing data governance, data security, and compliance standards to ensure data accuracy and compliance at enterprise scale.

- You will have strong analytical and problem-solving abilities, with the ability to troubleshoot and resolve complex data issues. You will have keen attention to detail.

- Excellent communication and collaboration skills.

- You will have the ability to work independently and manage multiple tasks simultaneously, requiring strong organisational and time management skills.