

Technology Division

Data & Artificial Intelligence Department

Position: Data Engineer

Job Description:

- **Master Data Pipelines:** Develop ETL/ELT workflows in **Azure Data Factory** and **Databricks** to consolidate data from PostgreSQL, Oracle, and MSSQL into authoritative master hubs.
- **Identity Resolution:** Implement and tune matching and merging logic to identify duplicate entities and create a "Single Source of Truth."
- **Automated Data Quality:** Design and deploy automated data quality frameworks that profile incoming data and alert on breaches of accuracy, completeness, or consistency.
- **Metadata Management:** Technical implementation of data catalogs using **Microsoft Purview**, ensuring all data assets are tagged with business glossaries and technical metadata.
- **Data Lineage Implementation:** Build and maintain end-to-end data lineage to track the flow of data from source to consumption, ensuring transparency for audits and impact analysis.
- **Data Security & Privacy:** Implement technical controls for **Data Masking, Encryption,** and **Row-Level Security** to comply with financial regulations (e.g., GDPR, CCPA, or industry-specific audits).
- **Policy Enforcement:** Translate data governance policies into technical "as-code" rules within the data lake and warehouse environments.
- **Stewardship Support:** Provide Data Stewards with the tools and reports needed to manage data exceptions and oversee the health of the "Golden Records."
- Develop data tools and infrastructure that empower analytics teams and support **AI/ML initiatives.**
- Monitor and troubleshoot ETL jobs, batches, and scheduled sessions to ensure successful and timely data delivery.
- Enhance and maintain database performance, reviewing logs, system metrics, and user reports.
- Partner with Database Administrators, Developers, and Analysts to improve data management, governance, and security practices.
- Conceptualize and build big data infrastructure that allows efficient data access, processing, and analysis.

Preferred Skills:

- 3-5 years of experience in Data Engineering, specifically focused on MDM, Data Quality, or Governance-heavy environments.
- Hands-on experience with **Microsoft Purview**, **Azure Data Catalog**, and **Azure Policy**.
- Strong proficiency in **SQL** for data reconciliation, profiling, and managing master record survivorship logic.
- Experience with **ETL & Automation** and **Python** for building "governance-aware" pipelines.
- Familiarity with capturing and visualizing data lineage and managing technical metadata repositories.
- Basic understanding of data privacy laws and financial data standards (e.g., BCBS 239 or similar).
- Ability to bridge the gap between "Business Governance" (policy) and "Technical Governance" (implementation).
- Excellent **communication skills** and ability to collaborate with cross-functional teams (Executives, Product, Data, Design).
- **Financial services industry knowledge** is preferred.
- Strong organizational skills, detail-oriented, and able to work under pressure with tight deadlines.
- Positive team player with a **growth mindset** and willingness to learn and share knowledge.