

Technology Division

Data & Artificial Intelligence Department

Position: Data Architect

Key Responsibilities:

- Lead the data engineering and architecture team, setting standards, guiding best practices, and mentoring junior engineers.
- Design, implement, and maintain enterprise-level data architecture, ensuring scalability, security, and performance.
- Drive the adoption of Data Vault 2.0 methodology to support enterprise data warehousing, privacy, lineage, and auditability.
- Oversee the development of data pipelines, data models, and integration frameworks that support both real-time and batch processing.
- Collaborate with business stakeholders and executives to translate business requirements into scalable data solutions.
- Define and enforce data governance and security standards, ensuring compliance with regulatory and privacy requirements.
- Build and manage data platforms on Azure, including data lakes, data warehouses, and integration tools (ADF, Synapse, Data Lake, Databricks).
- Integrate diverse sources (databases, APIs, flat files, streaming data) using Pentaho and Azure-native data tools.
- Provide technical leadership in database design, ETL optimization, and performance tuning across PostgreSQL, Oracle, and MSSQL environments.
- Ensure all systems maintain data lineage, audit trails, and metadata tracking to support compliance and transparency.
- Collaborate closely with BI, Data Science, and Governance teams to enable enterprise-wide analytics and AI initiatives.
- Stay current with emerging data technologies to recommend and adopt solutions that future-proof the organization's data strategy.

Preferred Skills:

- Proven experience as a Data Architect, Senior Data Engineer, or similar leadership role.
- Strong expertise in enterprise data modeling, especially Data Vault 2.0 methodology.
- Advanced SQL development skills and deep experience with PostgreSQL, Oracle, and MSSQL.
- Hands-on experience with Azure data ecosystem: Data Factory, Synapse, Data Lake, Databricks.
- Proficiency with Pentaho Data Integration (Kettle) for ETL/ELT workflows.
- Solid understanding of data governance, privacy, and security frameworks (GDPR, PCI DSS, or banking regulations preferred).

- Strong background in data warehouse architecture, metadata management, and lineage tracking.
- Experience in designing systems with auditability and compliance as core principles.
- Familiarity with big data and streaming technologies (Kafka, Azure Event Hub).
- Working knowledge of Python or R for automation and data transformation is a plus.
- Strong leadership skills, with the ability to mentor teams and manage cross-functional projects.
- Excellent communication skills, able to bridge technical and business perspectives.
- Experience in financial services or other highly regulated industries preferred.
- Strong project management skills; able to deliver under pressure and tight deadlines.
- Growth mindset and willingness to drive innovation and best practices across the organization.