

## Data Engineer

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Company: StoneX

Location: Kraków

Category: computer-and-mathematical

### Overview

Permanent, full-time, hybrid (3 days per week in an office)

Connecting clients to markets – and talent to opportunity

With 4,300 employees and over 400,000 retail and institutional clients from more than 80 offices spread across five continents, we're a Fortune-100, Nasdaq-listed provider, connecting clients to the global markets – focusing on innovation, human connection, and providing world-class products and services to all types of investors.

Whether you want to forge a career connecting our retail clients to potential trading opportunities, or ingrain yourself in the world of institutional investing, The StoneX Group is made up of four segments that offer endless potential for progression and growth.

**Business Segment Overview:** Engage in a deep variety of business-critical activities that keep our company running efficiently. From strategic marketing and financial management to human resources and operational oversight, you'll have the opportunity to optimize processes and implement game-changing policies.

**Position Purpose:** The Data Engineer is responsible for empowering the Data team to achieve its primary objectives: ingesting, transforming, and exposing real-time, event-driven data streams pertaining to the firm's data assets. The ideal candidate will exhibit passion for continuous improvement and a dedicated focus on enabling consumers to achieve their goals by making data driven decisions.

### Technology Ecosystem:

Data bases: SQL, MSSQL, Document Databases (Mongo DB, Dynamo DB, Casandra

etc.)

Programming languages: Python, Java, C#, PySpark

Cloud: Azure, AWS, GC

## **Responsibilities**

### **Primary duties will include:**

Understands system protocols, how systems operate and data flows. Aware of current and emerging technology tools and their benefits. Expected to independently develop a full software stack.

Understands the building blocks, interactions, dependencies, and tools required to complete software and automation work. Independent study of evolving technology is expected.

Drives engineering projects by developing software solutions; conducting tests and inspections; building reports and calculations.

Strong focus on innovation and enablement, contributes to designs to implement new ideas which improve an existing and new system/process/service. Understands and can apply new industry perspectives to our existing business and data models.

Reviews existing designs and processes to highlight more efficient ways to complete existing workload more effectively through industry perspectives.

Maintains knowledge of existing technology documents. Writes basic documentation on how technology works using collaboration tools like Confluence.

Creates clear documentation for new code and systems used. Documenting systems designs, presentations, and business requirements for consumption and consideration at the manager level.

Collaborates with technical teams and utilizes system expertise to deliver technical solutions. Continuously learns and teaches others existing and new technologies.

Drives team practices and procedures to achieve repeatable success and defined expectation of services

Provides a significant collaborative role in long-term department planning, with focus on initiatives achieving data empowerment, operational efficiency and sustainability

Monitors and evaluates overall strategic data infrastructure; tracks system efficiency and reliability; identifies and recommends efficiency improvements and mitigates operational vulnerabilities.

## **Qualifications**

### **To land this role you will need :**

3-5 years of experience developing software in a professional environment (preferably financial services but not required)

Problem solving skills – able to work through a problem, analyze root cause and propose solution.

Familiarity with API based data distribution.

3 years of hands-on Data Driven Enterprise Application development, preferable in financial industry

Understanding of Enterprise architecture patterns, Object Oriented & Service Oriented principles, design patterns, industry best practices

Foundational knowledge of data structures, algorithms, and designing for performance.

Proficiency in programming in Python, PySpark and familiarity with Java, C#; willingness to learn and adopt new languages as necessary

Experience in database technology like MSSQL and one of key value and document databases like Mongo DB, Dynamo DB, Casandra.

Exposure to containers, microservices, distributed systems architecture, orchestrators, and cloud computing.

Comfortable with core programming concepts and techniques (e.g., concurrency, memory management)

Excellent communications skills and the ability to work with subject matter expert to extract critical business concepts.

Ability to work and potentially lead in an Agile methodology environment.

### **Education / Certification Requirements:**

Bachelor's degree or relevant work experience in Computer Science, Mathematics, Electrical Engineering, or related technical discipline.

### **Working environment:**

Hybrid (2 days from home, 3 days from the office) our Cracow office will be located at Mogilska 35 street.

#LI-Hybrid #LI-DK1

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### **Cross References and Citations:**

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