**Data Engineer**

**Overview:**

Markets and Securities Services (MSS) is the “Investment Bank” for HSBC. Our businesses generate millions of transactions across a range of financial markets. Our teams design and develop modern systems covering all aspects - trading in the markets, sales and customer tools, handling transactions, data analytics and building financial and regulatory reporting.

You will be working with one of the most cutting-edge languages and timeseries databases, where speed is crucial and volume is exceptionally large. You can grow to be a developer that can individually handle tasks from gathering requirements, through analysing data, to implementation and testing - having support from senior colleagues along the way.

**Our team setup:**

* This role is working within the Markets and Securities Services (MSS) division, where technology is central to all aspects of our business – for example electronic trading in the financial markets
* This eRisk Trading MI (Management Information) team designs and develops a fast real-time, time series database and application processing Terabytes of data per day – translating to over 5 billion records per day - providing services for performing quantitative analysis on vast amounts of financial markets order, trade and pricing data
* The application’s usage has a broad scope: it is used by front office business quantitative analysts for research and back-testing of trading algorithms, employed for the testing and operation of algorithmic trading systems and used for a wide range of data analytics as well as client, regulatory and internal management information
* There are increasing demands for services built within the application. The successful candidate will join a team of 5 created in our Krakow office, growing our existing global team, based in Hong Kong and London
* The team is part of the wider eRisk IT team, which develops pricing, trading, hedging and electronic algorithmic order systems for Global Foreign Exchange (GFX)

**If your goal is to:**

* Develop software and engineer services which handle billions of records, analyse large datasets and find value in the data
* Work on the prominent timeseries technology in financial markets
* Build expertise in a functional programming and query language (KDB+/q) and how this is applied to data engineering
* Collaborate with and be part of a diverse and global team who focuses on fast delivery and user experience
* Understand the business context of what we do and engage directly with Traders and Quantitative Analysts as well as other Technologists

**If you have:**

* An analytical mind and are excited about problem-solving complex data engineering problems
* Strong computer science fundamentals or have worked with functional programming languages (e.g. Clojure, Haskell, Scala) or enjoy Python, R
* A demonstrable passion for technology and automation, optimising and improving solutions
* Demonstrable interest in understanding Data and how to combine and present it in various ways, dealing with large datasets and some basic statistical concepts
* Knowledge of or interest in learning about Linux, Server-Client technology, Cloud infrastructure, GCP
* Aptitude for understanding requirements and solving problems through proactive and collaborative engagement with teammates and owning a change from inception, to testing and releasing it to the users

**Cooperation Insights**

* Full-time employment contract
* Flexible working hours & home office
* No dress code & no mobile devices restrictions
* Relocation Support

**Parent Friendly Policy**

* Formal assistance while going on a maternity/paternity leave
* Nursery funding
* Flexible working arrangements
* Nursery room
* Family Days
* Working Parents Community

**Development opportunities**

* Conference & Training budget
* Language course/ studies partial reimbursement
* Safari Books
* Online trainings: LinkedIn, Coursera, Fit For banking
* Internal trainings with certified tutors
* Transfer between projects

**To top it off**

* Team events & networking events
* Tech communities & cultural communities
* Mentoring programs
* Public speaking club

LEARN ABOUT KDB/Q LANGUAGE

A picture containing pattern, square, art, symmetry

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