



# TRADING HUB

## ENGINEER - SOLUTIONS

**Occupational Areas: Financial Analytics, Banking & Investment, Technology, Data, Computer Science**

**Salary range: Competitive**

**Location: London (EC2) (closest station: Liverpool Street)**

### **ABOUT TRADINGHUB:**

TradingHub is a rapidly expanding Financial Services Technology (FinTech) company. Recently the firm was given an award in recognition for our contribution to trade and investment by the Department for International Trade and the UK Board of Trade.

We build cutting edge, AI assisted, trade analysis software for our clients which consist of banks, hedge funds, asset managers, and other financial services institutions. Our products are used by these organisations to detect financial crime and enhance business performance based on client's day to day trading data. These products include:

- Best execution analysis
- Trader performance profiling and enhancement
- Insider trading and market abuse detection
- Rogue trader detection

Our products are market leading in each category:

- Advanced analytics and machine learning algorithms allow us to perform statistically rigorous analysis on all asset classes in a unique way.
- We use in house programming languages, optimised for fast and complex analysis of large trade volumes.
- All our tools have an intuitive user interface (built using in house programming languages) that make it very easy for our clients to access our analysis.

We view ourselves as a disruptive FinTech company that is nimble enough to move fast, innovate quickly and provide a premium level of client service and support.

### **KEY RESPONSIBILITIES**

- Support the development and maintenance of TEAM, our best execution analysis product.
- Work on the C# code base of our analytical tools, implementing complex machine learning and numerical techniques. (This task will be performed in close interaction with the Quants and the CTO.)
- Design and extend our calculation graph, written in an internal proprietary environment, optimised for high performance big data analytics.
- Extend the user interface of TEAM using the tools provided by our front-end developers.
- Assist the client facing teams in providing support to our growing customer base.

- Undertake critical problem solving tasks in relation to performance.

This role probably would suit someone who is very technical and will enjoy solving problems whilst giving consideration to performance. Successful candidates must be talented software developers with an ability to think both tactically to service business critical demands and strategically to maintain a stable and extendable software platform. The work will attract applicants who are keen to gain experience over a wide range of software challenges covering both client and server-side development.

#### **ESSENTIAL SKILLS**

- Proficiency in Object Oriented Programming, C#, C++, Python, Java or equivalent language.
- Ability to write and test clean and reusable code.
- Degree/experience in a quantitative field and ability to master complex mathematical techniques and algorithms.
- Good communication skills and ability to explain complex concepts to audiences with different backgrounds (technical and not).

#### **USEFUL SKILLS**

- Exposure to financial products and mathematical finance concepts.
- Experience with version control systems (SVN, Git).
- Familiarity with design patterns.

If this is of interest to you please send a covering letter and a cv to [careers@tradinghub.com](mailto:careers@tradinghub.com).

TradingHub is committed to providing equal opportunities and supporting diversity in employment. Diverse teams really are the best teams.