
CITADEL LLC
JOB SPECIFICATION

C++ Developer – Rates IT

Duties and Responsibilities:

The role of Software Engineer within the Global Rates Technology team will work closely with members of trading desks and other members of the Global Rates team. This individual is expected to provide technical expertise to support, enhance, and refresh the front office trading systems and infrastructure. (S)he must demonstrate ability to analyze complex business/technical problems and make sound technical decisions proactively and in a self-directed manner. The role will utilize C++ / Object-Oriented analysis, design, and programming to develop robust, flexible software solutions. Focus will be on reusable high performance OTC trading applications and infrastructure.

Key job responsibilities include:

- Responsible for the design, development and deployment of new and existing infrastructure components..
- Responsible for proposing new designs and modifying existing ones to continuously improve performance, functionality, and stability of the system.
- Responsible for enhancing and extending the infrastructure and communication libraries used by the various trading platforms.
- Facilitate communication and collaboration with trading desk, level 1 support, and peer technology teams.
- Provide day-to-day level 2 application support for multiple trading applications and infrastructure globally.

Qualifications :

Mandatory:

- Enthusiasm for programming and solid computer science fundamentals.
- 2-5 years experience in C++.
- Working knowledge of databases, SQL and Unix scripting.
- Experience of building enterprise systems.

Desirable:

- Expertise in multi-threading
- Experience building real time systems
- Experience working with enterprise messaging (e.g. Tibco, MQ, etc)
- Knowledge of financial products (Fixed Income, Derivatives, Equities, etc...)
- Strong written and verbal communication skills
- Detailed knowledge of scripting languages and SQL

Personality characteristics:

- Passion for solving investment business problems through the use of technology.
- Strong critical reasoning skills.
- Detail-oriented approach to solving problems.
- Enthusiasm for learning & results oriented.
- Strong work ethic & high degree of integrity.
- Self starter and able to work with minimal supervision.

Education:

* Bachelor degree in Computer Science, Electrical Engineering, or equivalent.

Summary

The successful candidate will be a self-starter who has demonstrated the ability to function independently in a fast-paced, dynamic, and demanding trading environment. This person will be intellectually curious, intuitive, rigorous, trust worthy and have the highest ethical standards. In addition, (s)he will be affective addressing a number of internal and external audiences in a professional manner. This person will add value by working on a number of simultaneous projects with minimal supervision and exemplary follow-through.