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**Job Title: Software Engineer**

**Description:**

This candidate should have hands-on Linux backend experience, executing Linux commands, analyzing log files.

Programming experience with Java, QA software testing experience against systems that do NOT have a frontend (GUI) interfaces.

QA software testing of backend/host systems which includes, inbound/outbound message structure analysis, data flow validations.

**Job Description:**

- Extensively involved in creation and execution of test scripts for smoke testing and functional testing of various components across trade life cycle.
- Built an automated Test framework using Java/Selenium to validate send, receive FIX message and cross reference those with corresponding Non-delimited Buy/Sell records.
- Utilized UNIX commands to read/edit specific FIX messages, internal fixed length messages and firm related setups needed to verify functionality being tested.
- Analyzed and compiled component logs for troubleshooting issues using UNIX
- Perform manual testing from scripts based on experienced gained through years of FIX protocol use. This included integration testing with all front end and back end components that are supported with the FIX Adapters.
- Validated complex scenarios involving Match algorithms, Special trade Modifiers and clearing instructions.
- Test coverage added for all bugs, enhancements and requirements tested for each application. Jira is used to as tracking applications.
- Consultants are expected to execute test cases in the script that they are working on.
- Materials will be available to reference covering business requirements, interface specs.
- Can expect to be trained/instructed as to the concept of the top of book/Best bid and offer and are expected to know the prices to enter orders at that they want to trade vs. sit open on the book.

**Qualifications:**

- Should have a minimum of bachelor's degree in either of the following streams: **Computer Science, Engineering or Technology.**
  - **Minimum 2-3 years of experience** both in as manual and automation tester with exposure on **FIX Messaging Protocol.**
  - Experience with **financial industry or banking/trading domain is highly preferred**
  - Able to write **UNIX / Linux commands** and familiar with **Shell scripting, API Testing.**
  - Should have knowledge of SQL Server.
  - **Experience in Designing and implementing Data driven Test Framework for automating Fix Protocol testing.**
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