**Jagdish Patil**

**Senior Testing Analyst and Lead**

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**SUMMARY:**

* 14 plus years of experience in the field of Information Technology.
* Result-oriented professional experience in Functional Testing, System Integration Testing, UAT, Regression Testing**,** Automation Testing, Performance Testing, Database Testing, Software Process Improvements of Electronic Trading Applications like Exchange Connectivity, Smart Order Router and Dark pools, Trade Management Systems.
* Good Experience in Manual & Automated Testing of GUI and Web based Applications on Multiple levels of SDLC and STLC.
* Good Experience in creating script using Selenium WebDriver, Selenium RC, Selenium Grid in Java.
* Worked on Cross browser testing, browsers like Google Chrome, FireFox and IE using Selenium WebDriver.
* Experience in Selenium Web Automation and Mobile Automation using Appium.
* Extensive experience in API Testing using Swagger, Postman and validating JSON/XML request and response, Performance testing using Postman.
* Experience in writing REST API Automation script using Python, Maintain it.
* Experience in suggesting user defined automation frameworks depending on the budget constraints and client demands.
* Well acquainted with SDLC/STLC and Defect Life Cycle methodology.
* Proficient in Software Testing Life Cycle including Business Requirement Analysis, Test Strategy preparation, Test Planning & Estimation, Test Cases & Scenarios Design, Test Execution and Defect Reporting with test management tools like HP ALM and JIRA.
* Predominantly worked in Agile and Waterfall Methodology.
* Outstanding leadership and mentor, Strong team player / Lead with excellent inter-personal and client interfacing skills and the ability to quickly understand technical scenarios and formulate efficient solutions to meet complex technology needs.
* Sound Knowledge of Algorithmic trading, FIX and Binary Protocols, Trade Wind Down, Jira.
* Excellent understanding of Investment banking domain (Equities-Capital Markets and Options Market).
* Extensive experience of FIX Certification of various exchanges, Client on boarding of Equity and Options Internal Clients.

**EDUCATION QUALIFICATION & EXTERNAL CERTIFICATIONS**:

* Bachelor of Technology in Computer Science and Engineering.
* Certified ISTQB Foundation Level.
* NSE Certified Financial Market-Financial Market- Beginner’s Module
* NSE Certified Equity Derivatives: A Beginner’s Module

**TECHNICAL SKILLS**:

**Operating Systems**: - Windows 8, Windows 10, Linux, UNIX.

**Test Management & Defect Tracking Tools**: HP ALM, JIRA.

**Database**: MySQL, Microsoft SQL Server 2016,2019, Oracle 10g, 11g, MS Access

**Programming Languages:** - Python, Java, JavaScript,Appium.

**Tools & Utilities: -** Selenium WebDriver**,** Selenium Grid**,**Cypress**,** Rapid SQL, VeriFIX, TestNG,JUnit,In house developed automation tools, Robot Framework, Swagger, Postman.

**EXPERIENCE:**

**Client: Balyasny Asset Management LLC**

**Project: Treasury Tech QA (Global Region), Trade Management System.**

**Role: Senior QA Analyst and Testing Lead (Apr 2023 – Till Date)**

**Treasury Tech QA :-**

Supported two different applications in Treasury Technology - Locate Inventory Management System (LIMS) & Portfolio Finance Optimizer.

**LIMS:-** Whenever a Trader books Short Sell trade, need locate from the available inventory. Locate Inventory Management System is responsible for providing all the available inventory to Equity and Bond Short Sell trades to proceed based on different criteria like latency, fees, availability etc.

**Portfolio Finance Optimizer: -** Portfolio Finance Optimizer optimizes theTrade assignment logic across different Prime broker accounts based on a variety of criterions like cost, fees, position availability etc. for Equity and Fixed Income trades.

**Responsibilities**:

* Working as an Onsite Lead and Managing onshore/offshore teams.
* Actively involved in analyzing business requirements, Test Planning & Estimation, Preparation of Test scenarios & Test Cases, Test Case Execution, Defect analysis and Defect reporting to Dev team using HP ALM and JIRA.
* Performing reviews at Test Design & Execution stages.
* Test Reporting to the stakeholders e.g. DSR, WSR.
* Participate in daily scrum calls to give status updates to stake holders,
* Interacting with Business Analyst to gather and analyze business requirements.
* Experience in writing REST API Automation script using Python, Maintain it.
* Performing Integration Testing, Automate test scripts, Performance Testing as per need.
* Designed, executed and maintained Selenium Web Driver Automated test cases for regression test cases.
* Executed Parallel browser testing on various machines using Selenium Grid and performed cross browser testing.
* Creating project matrices like Dashboard, Defect Leakage, WSR, MSR etc.
* Conducting Knowledge sharing sessions to train the newly onboarded team members.

**EXPERIENCE:**

**Client:-Credit Suisse Services USA**

**Project: Smart Order Router and Magic Connection Pool (US Region)**

**Role: Senior Testing Analyst and Lead (Dec 2014 – Apr 2023)**

**Smart Order Router:-**

Smart order routing involves the ability for buy-side and sell-side firms to achieve best execution of trades while minimizing market impact. Smart Order Router (SOR) gives ‘Best Executions’ to client orders across multiple venues by taking into account the following factors: Liquidity, Best Prices, Transaction costs, Execution venues latency, Tick and lot sizes and Execution venues session times.

SOR receives market data from a proprietary multicast infrastructure.

**MagicCP Connection Pool (Exchange Connectivity):-**

 **Magic Connection Pool** is Low latency Fix Engine of Credit Suisse which converts normalized FIX messages to exchange specific FIX specification i.e in the exchange understandable FIX message format. It acts as connecting link between Credit Suisse internal system and different exchanges/dark pools. It supports FIX protocol and Binary Protocols like NYSE Pillar, NASDAQ OUCH, BATS CBOE, MIAX and MEMX.

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**Responsibilities**:

* Working as an Onsite Lead and Managing onshore/offshore teams.
* Actively involved in analyzing business requirements, Test Planning & Estimation, Preparation of Test scenarios & Test Cases, Test Case Execution, Defect analysis and Defect reporting to Dev team using HP ALM and JIRA.
* Performing reviews at Test Design & Execution stages.
* FIX Certification of various exchanges, Client on boarding of Equity and Options Internal Clients.
* Test Reporting to the stakeholders e.g. DSR, WSR.
* Participate in daily scrum calls to give status updates to Dev teams,
* Interacting with Business Analyst to gather and analyze business requirements.
* Performing Integration Testing, Automate test scripts, API Testing and API Automation using Python, Performance Testing using Postman as per need.
* Performing Integration Testing, Performance Testing as per need.
* Designed, executed and maintained Selenium Web Driver Automated test cases for regression test cases.
* Executed Parallel browser testing on various machines using Selenium Grid and performed cross browser testing.
* Creating project matrices like Dashboard, Defect Leakage, WSR, MSR etc.
* Conducting Knowledge sharing sessions to train the newly onboarded team members.
* Supervise and manage Team leads and Team members.

**Client Credit Suisse Services, India Pvt Ltd**

**Project: - Cross Finder, Smart Order Router EMEA Region (Feb 2013 –Nov 2014)**

**Role: - QA Analyst and Lead**

**Cross Finder** is a Credit Suisse in house developed application that sits in between the front office and exchange systems monitoring opportunities for matching and crossing Credit-Suisse PROP and client orders. This will have the orders executed within Credit Suisse. It carries lot of advantages to client and its own orders in terms reduced transaction cost as no exchange fees are involved, Improved execution capability, the orders do not have market impact. Supported European markets LSE, Copenhagen, Brussels etc.

**Low Latency Cross Finder** is low latency crossing engine. It is a pure dark pool as it doesn’t publish its data outside and user doesn’t know what the liquidity inside it.

**Smart Order Router** is a Credit Suisse in house developed application that sits in between the front office and the exchange systems. The Smart order router gives best executions to client orders by appropriately routing the orders to the venues to take advantage of price difference and liquidity across multiple execution venues. The venues mainly traded are London Stock Exchange. The SOR works on the incoming order by applying a strategy and slicing the order to multiple venues based on the order depth available for the stock in those venues. The strategy is applied on the order based on various parameters as Liquidity, Best Prices, Transaction costs, Execution venues latency, Tick and lot sizes. Supported European markets LSE, Copenhagen, Brussels etc

**Responsibilities:**

* Coordinating with client and development team.
* Test plan design, test scope identification, test estimates and efficient resource utilization.
* Test case writing, execution, reviewing, defect logging.
* Defect analysis discussion with the dev team.
* Creating project matrices like Dashboard, Defect Leakage, etc.
* Status Reporting to the Client on daily/weekly basis.

**Client Credit Suisse Services, India Pvt Ltd**

**Project: - Cross Finder, Smart Order Router APAC Region (March 2010 –Jan 2013)**

**Role: - QA Engineer**

**Cross Finder** is a Credit Suisse in house developed application that sits in between the front office and exchange systems monitoring opportunities for matching and crossing Credit-Suisse PROP and client orders.

**Smart Order Router** gives best executions to client orders by appropriately routing the orders to the venues to take advantage of price difference and liquidity across multiple execution venues. The venues mainly traded are TSE and OSE as the main exchanges and SBI, KABU and Instinet as PTS venues where OTC trades happen. The SOR works on the incoming order by applying a strategy and slicing the order to multiple venues based on the order depth available for the stock in those venues. The strategy is applied on the order based on various parameters as Liquidity, Best Prices, Transaction costs, Execution venues latency, Tick and lot sizes. Supported markets Japan, Australia and India.

**Responsibilities:**

* Coordination with client and development team.
* Test plan design, test scope identification, test estimates and efficient resource utilization.
* Test case writing, execution, reviewing, defect logging.
* Defect analysis discussion with the dev team.
* Creating project matrices like Dashboard, Defect Leakage, etc.
* Status Reporting to the Client on daily/weekly basis.
* Defect reporting.