**Varsha Patel**

**Varsha.SDET@outlook.com**

**Professional summary:**

* Over 8 years of QA experience in various phases of testing lifecycle like requirement gathering, risk analysis, project planning and estimation, testing, defect management and reporting.
* Strong expertise in **SDLC**, test management and testing lifecycle methodologies like **agile models**, rational unified process (**RUP**).
* Proven ability in designing and creating automation frameworks for J2EE based applications using **Java/J2EE, Selenium WebDriver/RC/Grid, Ant/Maven, Jenkins and Cucumber.**
* Experience in black box, gray box and automation testing using **Selenium-Testing, Junit/TestNG**on web and client applications.
* Proficient in **Continuous integration Jenkins** to improve quality of the product.
* Good experience in **Selenium Test Environment** setup expert using the entire open source tools. Excellent knowledge in writing unique **XPath** using **firebug and fire path** to identify **web elements.**
* Experience with comprehensive understanding of all phases of **Test Life Cycle**, including requirements gathering, test planning, and scheduling, testing, defect tracking, and reporting.
* Expertise in SDET
* Expertise in Automation Testing, Manual Testing, Black box Testing, Grey Box Testing, Smoke Testing, GUI Software Testing, and Backed end Testing, Black-box Testing, Functional Testing, System Testing, and Regression Testing.
* Extensive experience preparing **use cases, sequence diagrams, activity diagrams, collaboration diagrams, class diagrams, and state transition diagrams**.
* Experience **in converting QTP script** to **Selenium** to support multiple browser.
* Strong experience with **SOA** architecture which include **SOAP Web Service** and **RestFul Web Service** Testing
* Involved in Non-functional requirement (NFRs) Gathering & Analysis, Performance Test Plan creation, Performance Test Script Development, Performance Test Execution, End **to End Performance Evaluation and Engineering, Performance Monitoring and Analysis of Web/App/DB tiers, Report Performance Test Results** and defects to all stake holders.
* Experience with **Mobile Automation Tool** Device Anywhere and **Appium** automation framework and knowledge of **SeeTest, eggPlant**.
* Excellent programming experience in **Core Java**, **Python, HTML, CSS, and SQL.**
* Experience in using Automated PerformanceTesting tools like **HP LoadRunner, HP Performance Center, IBM Rational Performance Tester, Neotys Neoload & JMeter.**
* Sound knowledge of **RDBMS** for writing**SQL queries** and scripts, creating entity relationship diagrams (ER diagrams), for**data analysis** and **backend testing** to ensure **data integrity.**
* Strongly experienced in writing Descriptive programming and working with **shared Object repositories in UFT/QTP.**
* Worked on creating verification Points using **VB Script** level to verify the object properties, create various functions of application in **QTP/UFT.**
* Having proven technical skills in **Unified Functional Testing (UFT), Quick Test Professional (QTP),Business Process Testing (BPT),Application Life Cycle Management (ALM / QC)**
* Expertise in **back ends testing** and writing **SQL queries, Joins, procedures** using **Oracle** and **MySQL**.
* Experienced working on test management tools like team foundation server (TFS).
* Hands on experience on Mobile App Testing (**iOS, Android and Web OS**).
* Customized **HP-ALM projects**, as needed, for **Defect Management, Test Preparation, and Test Execution.**
* Experienced in maintaining **Requirement Traceability Matrices (RTM**) to measure the testing process and requirement progress’s **SOA test planning, test script preparation, test script review.**
* Hands on experience in testing of **web based** and **client/server** applications.
* Strong knowledge of **Software Development Life Cycle(SDLC)** methodologies such as **Agile, SCRUM and waterfall models and TDD.**
* Proven ability in developing **BDD/TDD scripts** with Cucumber and writing step definitions for behavior.
* Solid experience in writing **Test scenarios, Test Conditions, Defining Test Cases, Developing and maintaining Test Scripts, Test plans, Defects and Status Reports.**
* Excellent experience in troubleshooting **software** applications for business functions in major areas of the business and enterprise-wide.
* Effective communication skills for mediating between **developers, clients and management.**
* Ability to take initiative, prioritize and work independently to meet deadlines.
* Ability to adapt to new environment quickly, **strong team player, good communication, good analytical and computation skills, enthusiastic learner, confident**, sincere and committed.

**Technical skills:**

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| **Testing Tools** | Selenium IDE, Selenium RC, WebDriver, Webdriver Backed Selenium, |
| **Languages** | JAVA, Java Script, HTML, XML,c# |
| **IDE** | Eclipse, SQL Developer |
| **Test Framework** | JUnit, TestNG, Data Driven Framework, MVC |
| **Web Debugging Tool** | Xpath, Firepath, Firebug, Webdebugger |
| **Build Tool** | Ant, Maven |
| **Processes** | Agile-Scrum, Waterfall, SOUP UI |
| **Bug Tracking Tools** | JIRA, Quality Center (QC),TFS, Rally DEV, RTC (Rational Team Concert) |
| **Continuous Integration Tools** | Jenkins, Hudson |
| **Browsers** | Mozilla Firefox, Internet Explorer, Safari, Google Chrome, Opera |
| **Application** | Microsoft Office, Excel, PowerPoint, Outlook, IBM Lotus Note |
| **Project Management Tool** | PPM , Clarity PPM |
| **Other tools** | Ms office, Ms Visio |
| **Databases** | SQL Server, MS Access, Oracle, MySQL |
| **Operating Systems** | Windows (XP, Vista & 7, 8) Linux, Mac |

**Professional experience:**

# **Client: Wells Fargo. Charlotte, NC. Oct 14 – Till Date**

**Role: Sr. QA Analyst/SDET**

**Responsibilities:**

* Analyzed **business requirements** and **functional documents**, created the test **strategy document** that define the test environment, phases of testing, **entrance and exit criteria** into different phases of testing and resources required to conduct the effort.
* Involved in Work with other cross-functional groups such as **Development, Business Analysis, Release Management, Product Management, Customer Operations, and other QA groups, including offshore**
* Extensively involved in **Software Testing Life Cycle** (**STLC**) using **Agile (scrum) Methodology**.
* Implement all policies and procedures for the statewide assessment as directed by the **Test Coordinator's Manual, and the Test Administration Manual.**
* Used Automation Testing tool **JIRA** as Defect tool for configuring the Defect on service level measurement.
* Analyze project requirements and technical specifications to create Test Plan and Strategy documents.
* Documented **Test cases**, **Test plans** and **Test strategy** documents in **Quality Center.**
* Developed and implemented automation using **Selenium WebDriver and java**. Used Eclipse IDE to **develop & debug the code.**
* Designed Functional Libraries, Functions, Subroutines, Common functions, Regular Expressions and Environmental variables using **UFT in VB script**.
* Involved in testing application on different mobile Platform such as **iOS** and **Android** devices.
* App Store Location based testing and **iOS** simulator testing.
* Designed, developed, and implemented **MVC Pattern based Keyword Driven automation testing framework utilizing JAVA, TestNG** and **Selenium WebDriver.**
* Designed and developed an automated smoke and regression test framework using JavaScript.
* Used **TestNG** testing Framework as a test runner with **Selenium.**
* Performed **GUI, Functional and Regression testing** by automated using **Selenium, TestNG, Maven, and Jenkins.**
* Tested applications developed **in Java with J2EE framework**.
* Involved in setup up of Load Test environment from applications side and setup **Load Test runtime settings in HP Performance Center**
* Provide Results in form of Performance Report consisting of graphs, statistics using **HP LoadRunner Analysis Tool and log defects in QC for bottle neck for bad performance.**
* Performing Cross-platform, Functional, Regression testing, UI testing for mobile app using Appium test automation framework.
* Automated **Web Application Testing** using **Java Selenium framework** in an **Agile environment.**
* Developed test automation scripts using Selenium **Web Driver forregression and performance test**ing of the various releases of the application.
* Created and worked **on JIRA Customization-Issue types/schemes**, Workflow/Field Configuration.
* Conducted **backend testing using SQL queries** to validate data for database.
* Created **manual test cases**, reviewed with different stakeholders to validate the functionality.
* Developed automation framework to test **SOAP** based **WebServices** using **TestNG**.
* Gained exposure to **Simple Object Access Protocol (SOAPUI) architecture** and **Service Oriented Architecture (SOA).**
* Worked with **Web-services, SOAP requests, validated XML responses** for web services testing using Soap UI for interface testing.
* Developed automation framework for **Selenium WebDriver** in modular framework model.
* Involved in establishing mapping of test cases to functional requirements in **Requirements Traceability Matrix (RTM).**
* Extensively used **HP ALM** to organize the automated test-cases of **Selenium WebDriver.**
* Used Firebug and Fire path to identify elements on the page. **Used ALM and JIRA for tracking, analyzing and documenting defects.**
* End to End Testing with **Test Planning, Manual Testing, Regression Testing and Defect reporting.**
* Actively involved in **SDLC and STLC** process and used tools like **ALM, Selenium RC/Web driver, JMeter, SOAP UI, SSMS and Visio.**
* Experience with a defect tracking and test case management tool such as **Quality Center, VersionOne, or JIRA**
* **Performed various testing including Regression, integration, System Testing.**
* Worked with open source bug tracking tool **JIRA & IBM Rational Team Concert (RTC).**
* Coordinated with technical support associates to fix proprietary software issues
* Interacted with other external teams for environment/license issues, external services availability and work towards resolution.

**Environment:** Java, Selenium WebDriver, Jenkins, SOAP UI, Maven, TestNG, Cucumber,RTC, Jira, Lisa, Black Box Testing, Grey Box Testing, MVC, Eclipse IDE, XPath, Firebug, c#, HTML, CSS, DOM, Python, Ruby, SQL, Oracle and Windows.

**Client:Citi Group, Warren, NJ. Jul 11 – Aug 14**

**Role: Automation engineer**

**Responsibilities:**

* Responsible for periodic **updating of Test Plans and Test Cases** as per Requirement Specifications and Business rules.
* Strong functional test case design and **Manual testing (Black Box Testing) skills and Automation**
* Expert in **Manual Testing of GUI and functional aspects of Web based** and Client-Server applications using **Application Life Cycle Management (ALM)** and Version one tools.
* Developed automated scripts using **Selenium RC and** Implemented Frame work for **Selenium RC** scripts using **Java.**
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application’s GUI and in the testing environment using **Selenium RC.**
* Involved in Automation of the test cases using **Selenium RC, Junit and Ant.**
* Create **Junit HTML test report** for the entire test suite.
* Extensively used **Page Objects design and page navigation framework** for readable test script and easy maintenance from developer perspectives.
* Involved in **validating Sanity, functional, Integration and Regression test suitesusing Selenium** and the request and response of the **Web Services (SOA) through SOAP UI.**
* Worked on **Web-services applications**, using **SOAP UI tool**, to create a Web Service Test from SOAP request and validate the response against the database.
* Performed **Regression test** using automated testing tool **QTP**, **Fitnesse** and **Selenium**.
* Involved in designing and building automation frameworks in support of continuous integration in a **test driven development (TDD).**
* Developed Java based library to read test data from **XML** & Properties files using **Junit** and **Selenium.**
* Parallel, Cross-Browser Testing using **Selenium GRID and Junit.**
* Configured **ANT build scripts** to run tests, develops reports and send notifications.
* Develop automation framework for testing app on **Android** and **iOS** devices.
* Used **Selenium RC** for testing different browser, **Selenium Grid** for checking instance of server and **Selenium IDE** for record and playback.
* Responsible for development of automated **performancetesting** scripts using different protocols like: **web service, HTTP/HTML, Ajax etc**
* Performed **Regression testing** on new builds, every modification in the application **using Selenium RC.**
* Performed **regression testing using QC** by modifying and documenting the existing scripts.
* Performed **back-end testing using SQL queries** to validate the data in the back-end SQL Server.
* Executed **automated testing in QC** to test the front-end functionality of the application.
* Used HP **Quality Center** for viewing and analyzing test results and for defect tracking and reporting which occurred **during execution of test scripts.**
* Worked on JIRA & Agile (formerly known as Green hopper) Best Practices.
* **Wrote SQL queries** for validating the data mapping and data integrity.
* Involved in **status reporting,** project meetings and project planning with the team.
* Formulate methods to perform **Positive and Negative testing** against requirements.
* Executed and managed test cases and **reported bugs in Quality Center.**
* **Performed Verification, Validation, and Transformations** on the Input data (Text files, XML files)
* **Before loading into target database.**
* Experienced to **Functional, Integration, Smoke and Sanity testing.**
* Provided weekly status report to the Project Manager and discuss issues related to quality and deadlines.
* Exposed to fast paced SCRUM schedule and represented QA in **SCRUM meetings**
* Attended **Walkthroughs and review meetings with Business Analysts** and Development team.

**Environment: - Windows NT/XP, SQL 2005, Java, Selenium (RC/IDE/Grid), QC, Junit, Ant, Soap, ALM 11.0, MS Word, MS Excel, Oracle, Windows.**

**Client: J. P Morgan Chase & Co., Tampa, FL. Mar 10 – Jun 11**

**Role:QA Engineer**

**Responsibilities:**

* Analyzed the **Business Requirements Document**, put input in **Test Plan** and prepared detailed **Test Cases** for new functionality.
* Associated with development team to understand **technical design** and **architecture** for test planning.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application’s GUI and in the testing environment using **Selenium Web Driver, JUnit, Ant** and **Jenkins.**
* Developed automation scripts using **Selenium WebDriver, Eclipse, Junit and Java.**
* Performed functional testing to identify various critical points in the application and automated it by using **Selenium Web Driver** with **JUnit**.
* Generated **Selenium** reports using **JUnit** reporter and automated report generation using **ANT.**
* Developed **ANT** Build scripts to run Sanity Test scripts developed in **Selenium WebDriver.**
* Created the tests that have no user interaction as a set and executed them as Batch tests using **ANT**.
* Involved in the Continuous Integration of the automation framework with **Jenkins**.
* Involved in **SOA** testing for Payments API's using **Soap UI** and **Java** framework for Web Services testing.
* Tested request and response **XML's** based web services interfaces using **SOAP UI**.
* Performed Web Services Testing and XML validation by creating test case suite using **SOAP UI**.
* Preparation and execution of test scripts using JMeter and **SOAP UI** tool to perform Web Services testing.
* Created whole test framework using **Selenium** for further test creation and execution.
* Regression test cases were written and automated using **Selenium Web Driver.**
* Prepared **Traceability Matrix** to ensure the adequate coverage of the test cases.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML IDs and **XPath** in Selenium.
* Worked with **HPALM** and mingle to write scripts and raise defects.
* **Updated Test Plans** and **Test Cases** periodically to manage changes in requirements.
* Connected to database to Query the database using **SQL** for **data verification** and **validation**.
* Performed back end testing on **Oracle Database** by writing **SQL quarries.**
* Created **SQL views to aggregate data** before moving to targeted database from legacy database to simulate results.

**Environment:** Java,Selenium WebDriver, Jira, JUnit, SOAP UI, ANT, Jenkins, Cucumber, XPath, Fire Path, Firebug, HTML, XML, X Path, c#, ALM, Internet Explorer, Chrome, Oracle and Windows.

**Client: HSBC, India. Feb 08 – Apr 10**

**Role:QA Engineer**

**Responsibilities:**

* Extensively experienced in designing Test Cases, Test Scenarios, and Test reports.
* Performed Manual, **GUI, Functional, Regression, and Smoke testing on the application and Role based testing for SharePoint application**.
* Investigated Software defects and interacted with Business Analysts to update the test cases in Quality Center and Developers to resolve technical issues.
* Worked with **business analysts, developers, and content department to resolve issues using Quality Center.**
* Prepared Test cases and Test plans for new functional modules. **Written Grey box** and **Black box test cases based** on the User and Business Requirements.
* **Actively involved in SDLC and STLC process and used tools like ALM, Selenium RC/Web driver, JMeter, SOAP UI, SSMS and Visio**.
* Worked in an **agile environment,** with an ability to accommodate and test the newly proposed changes at any point of time during the release.
* Used my web service expertise in testing **web services** via SOAP, using the open source testing tool **Soap UI**.
* Worked with technologies including: **XML, Java, SOAP UI, ASP, VB, Web services, Oracle, SQL Server and IBM Mainframes.**
* Co-Ordinate with functional team members to identify the automation test script for validated string, **UAT and Regression test cycles.**
* Worked on **Selenium IDE**, the integrated development environment for Selenium **scripts using Firefox, Internet Explorer and Google Chrome.**
* Developed regression scripts using Selenium RC.
* Automated the regression test cases using the **Selenium & TestNG.** Automated the Test **Cases using Selenium RC, Java Eclipse and JUnit.**
* Extensively used my SQL proficiency during data migrations. Ability in developing BDD scripts with Cucumber and writing step definitions for behavior.
* Actively participated during functional and regression test cycles. Supported all major production releases. s
* Involved in writing load scripts using Apache JMeter, Developed and maintained unit tests using JUnit.
* Designed and developed automated scripts, which involved Functional Regression, Integration test cases using Selenium RC.
* Developed function to verify service response and capturing it in xml files.
* Executed the end-to-end testing to test the business flow from Mobile application to report generation.

**Environment:**Java, Selenium RC, Web Driver, Selenium Grid, Quality Center, Windows, Agile Methodology, MS Office tools, Oracle, SQL Server, HTML, XML, VSS.

**Education**

* Bachelor of Technology (Computer Science) from Jawaharlal Nehru Technological University, India.