**Senior Quality Assurance Test Engineer** with around**6+ years** of experience as an **Automation Tester and Manual Tester**, in all phases of Software Development Life Cycle (**SDLC**) with experience, that includes **designing**, implementing **test plans**, **test cases**, **test processes**, conducting test review meetings, **automation testing** of Client Server and Web applications. Sound knowledge in **Java, Selenium, Cucumber, TestNG, Maven/ANT, SoapUI** and **Jenkins**.

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| http://www.german-testing-board.info/fileadmin/gtb_repository/bilder/news/2012_02_istqb_logo.jpg | Pushpendar **Senior QA Automation Engineer**  **E-mail:pushpendar.mr@gmail.com**  Phone: 917-969-4041 |

**Professional Summary**

* Experience in working with different development environments such as **Agile/Scrum**&**Waterfall**
* Involved in the Design and implementation of different **s**
* Expertise in Automation tools such as **Selenium WebDriver, Selenium IDE**/**RC, Selenium Grid, Java, Jenkins (continuous integration), Maven (Build Management), Eclipse, Cucumber, TestNG (Regression tests) and JUnit.**
* Good at implementing the concepts of Object oriented programming using **Ruby** and **Java**.
* Extensively involved in **Front-end** and **Back-end** Testing (**Web Services** and **Databases**) with either Test Driven Development (**TDD**)/Acceptance Test Driven Development (**ATDD**) and Behavioral Driven Development(**BDD**) approach.
* Good Knowledge in **OOPS** (Object Oriented Programming System) concepts i.e., Abstraction, Polymorphism, Encapsulation and Inheritance.
* Proficient in working with **Selenium Grid**/ **Sauce labs** to specialize on running multiple tests across different browsers, operating systems, and machines in parallel.
* Hands on experience in **Grouping** of Test Cases, Test Methods and Test Suites for **regression** and **functional testing** using the **TestNGannotations** like Groups, Parameter, Data Provider and Listeners.
* Expertise in using **Apache POI** for data driven frameworks, to load data into required test scripts from external sources like excel sheets.
* Performed Continuous Integration of code and scripts using **Jenkins** and triggered the Continuous Delivery process using Jenkins build jobs.
* Performed User Acceptance testing (**UAT**) using Gherkin language to write the acceptance criteria’s such as feature file, Scenarios, Scenario outline’s and performed the step definitions and runner classes using **Cucumber**.
* Maintained **Selenium**& **JAVA** automation code and resource in source controls **SVN/Git** over the time for improvements and to add new features.
* Expertise in implementing **Maven** as a build management tool to manage the required **dependencies, plug-ins** and for uniform build system.
* Performed automation on **Robotic Frameworks**.
* Experience in using espresso framework, Robotium framework for Android application automationtesting.
* Experience working with **logging frameworks** such as **Log4j** and **Extent loggers** to capture the flow details of the test cases.
* Tested the performance of the applications using **JMeter.**
* Experience in finding web elements using **locators** like **CSSLocator**, **XPath**, HTML id, name, classname, linked text, partial linked text and tag name. Experience in handling different methods of **Select class** for selecting and deselecting, for dropdown web element.
* Skilled in **Selenium synchronizations** with conditional **(Implicit, Explicit**) unconditional wait statements.
* Implemented **Action class** in selenium to handle mouse and keyboard actions. Experience in testing and handling different **frames** (frames, iframes) of a **HTML** page with having different **DOM's** for every **iframe**.
* Experience in handling **Pop-ups** with Selenium using **Alert** methods. Experience in handling multiple windows in selenium.
* Experience with **Cross-Browser** testing to test whether the web applications are working as desired in different browsers and environments.
* Worked on web-scraping using Selenium web-driver in**Python** to automate the filling out of captive portal pages.
* Proficient in documenting defects with high level of detail, accuracy and informative recreation steps using **HP ALM/Quality Center, JIRA** and **Bugzilla**.
* Experienced various types of **AUT (Application under Test)** such asAutomation testing, Manual testing, Integration testing, System testing, Smoke testing, Regression testing, Performance testing and Functional testing.
* Knowledge on mobile testing using **Appium** on real and virtual devices.
* Expertise in **Selenium** as automation tool, **Selenium grid, Java, Maven** as build management tool, **Appium** for mobile testing, **Cucumber, Extent Reports** for report generation.
* Experience using various **TestNG** Annotations like **Before Suite, After Suite, After Method, After Test** and configured Parallel Processing using **TestNG** xml.

**Web Service Testing**

* Experienced with Soap and Restful web services testing using **SOAPUI** tool. Knowledge of XML, WSDL, XPATH, Groovy scripting. Experience with Service Oriented Architecture using SoapUI Pro tool to test web service.
* Automated Web services using **groovy scripting**, **data sourcing** and **data source looping**, driven required data from excel sheets into SoapUI to send requests and stored the data from responses into the respective excel sheets.
* Tested the API’s as well as **validated** the data returned through web services responses using **Assertions** such as Valid HTTP Status Codes, Script Assertions, Contains, Xpath Match, XQuery.

**Database Testing:**

* Experienced writing and executing **CRUD SQL** statements.
* Database Testing using **SQL Queries** with **multiple Databases Oracle, DB2, SQL Server and MySQL and performed Database testing including data integrity and data validation testing.**
* Expert in developing complex**SQL Queries** with various kinds of joins

**TECHNICAL SKILLS**

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| Test Approaches | Waterfall, Agile/Scrum, SDLC, STLC, Bug life Cycle |
| Testing Tools | Selenium WebDriver, Selenium IDE/RC, SOAPUI, Appium, JMeter, Jenkins, Selenium Grid. |
| Frameworks | Page Object Model, Robot Framework, Keyword Driven, Data Driven, Hybrid, Cucumber, TestNG, Junit, log4j |
| Artifacts | Test Plan, Test Case, RTM, Test Summary Report, Bug report, User Stories, Backlogs |
| Test Build and Integration tools | Jenkins, Maven, Ant |
| API testing | REST, SOAP, SOAPUI |
| Programming Tools | Java, C, C++, Groovy, Gherkin, VB Script. Python |
| Operating System | Windows XP/Vista/7/8/10, Unix, Linux, IOS |
| Databases/Database tools | SQL Server, Oracle, MySQL, DB2, SQL, TOAD |
| Defect Tracking Tools | HP ALM/Quality Center, JIRA, Bugzilla, Rally. |
| Markup Languages | HTML, XML, Xpath, CSS |
| MS Office Tools | Outlook, Word, Excel, PowerPoint, MS Access |
| Other Utilities | Eclipse, PL/SQL, GIT, SVN, Sauce Labs, Firebug, Fire Path, JMeter |
| Types of testing | Manual Testing, UI Testing, Integration Testing, Regression Testing, Black Box Testing, Localization Testing, Performance Testing and Ad-hoc testing. |

**EDUCATION DETAILS:**

* Bachelors in computer science (April, 2009)

**PROFESSIONAL EXPERIENCE:**

**Project: 1**

**Project Profile**

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| Client | United Airlines |
| Location | Chicago, IL |
| Duration | August 2015-Present |
| Role | Senior QA Automation Engineer |

**Roles/Responsibilities:**

* Conducted UI testing, Functional testing, **Regression Testing** and verified the results with expected results using **Traceability Matrix**.
* Created automation test cases and test scripts using Hybrid Framework (**data driven framework and Page Factory model)** to test the web applications using **Selenium WebDriver**.
* Utilized **Apache POI** jar file to read data from the excel spread sheets and load them into required test cases.
* Expertise in using **Selenium Grid** to run test scripts on different platforms and against different versions of the browsers in parallel to save time.
* Involved in the usage of **BDD** framework to develop **Cucumber Step Definitions**, **Scenarios** and **Features** using acceptance criteria which was produced by business analyst to perform UAT testing.
* Created automated test scripts using **Selenium WebDriver**, **TestNG**, **Maven** and used **Jenkins** to execute these test scripts periodically using **Java**.
* Performed **Cross browser** testing and parallel testing on Chrome, Firefox, IE browsers and Safari using **TestNG framework**.
* Expertise in grouping of test suites, test cases and test methods for regression and functional testing using **TestNG Annotations** like **Groups, Parameter, Data Provider and Tags**.
* Utilized **Maven** to manage dependencies for test execution, plug-ins and created profiles of grouped test cases to run smoke or regression testing.
* Used **Git** as a code repository to check out project from it, make modifications, submit and commit changes to the local repository and then later to the central repository.
* Used different modules in **JIRA** to report and track the defects, and communicated issues with the developers for a better solution.
* Performed testing on **Web Services** such as **soap** and **restful** services using **SOAPUI** to check the communication between different services.
* Created test plans, **Thread Groups** and added different kinds of **Assertions** and **Listeners** for running the test in JMeter for performance testing
* Implementing test automation, to perform components, regression and backward compatibility testing and to maintain regular functional and back end testing using Robot framework and Python.
* Automated existing test cases using the **Robot Framework** with custom Python libraries
* Deployed the build in Apache Tomcat Server once the code is check-in by the developers and ready for testing.
* Extensively worked on selenium web Driver with the preferred Languages Java, C Sharp, Python, Ruby and Perl.
* Handled Selenium Synchronization problems using Explicit & Implicit waits during functional testing. Executed test cases relating to mouse events using Actions class.
* Experience in deploying the build in Apache Tomcat Server and Jenkins once the code is check-in by the developers and ready for testing.
* Enhanced various available features of **Robot Framework** to develop efficient and error free.
* Automated Test Scripts and updated existing keyword framework by developing custom keywords in **robot framework**.
* Highly skilled in implementation and execution of test using HP Mercury tools Quick Test Professional, Quality Center, Load Runner, WinRunner, Test Director, FIT (Framework for Integration Testing) and WATIR(Web Application Testing in Ruby).
* Experience in developing test cases and automated testing using Selenium, Gherkin, Cucumber.
* Expertise in using the **Extent Reports** and loggers to track the flow of the test cases, time taken for execution, defect tracking, pass/fail percentages and information on tested environment.
* Connected remotely to UNIX, LINUX and Solaris servers using Putty and automated test cases using remote Libraries in **Robot Framework** for backend testing from scratch.
* Localization testing of head units using Selenium and python.
* Handled multiple frames and framesets to switch between/navigate through frames and performed necessary actions on the web elements.
* Created and used Robot class and methods in Automation framework
* Tested Ruby on Rails landing page platform. Functional test automation using Ruby (Calabash). End-to-end automated functional testing usingRuby. Maintained Automated Testing using Ruby Cucumber and Acceptance Test Driven Development Support
* Analyzed bugs and involved in quality assurance reviews with the team to ensure **bugs** are reported and closed.
* Shared **Daily Status Reports** with all the team members, Team Leads, Managers and Clients.
* Wrote **SQL Queries** to connect to the database and retrieve data for a specified set of test requirements. Implemented **JDBC** connections in the automation framework to validate data in the database.

**Environment:**AGILE, Selenium WebDriver, Selenium Grid, Robot Framework, Java, Eclipse, TestNG, Maven, Cucumber, Jenkins, SQL, Oracle, Python, SoapUI, Jira, JMeter, Apache, Extent Reports**.**

**Project: 2**

**Project Profile:**

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| Client | Turner Broadcasting Systems |
| Location | Atlanta GA |
| Duration | January 2014-July 2015 |
| Role | QA Automation Engineer |

**Roles/Responsibilities:**

* Analyzed the user requirements by Interacting with system architect, developers and business users.
* Suggested improvements in test process by gathering and analyzing data.
* Reviewed and analyzed Detail Designed Specification and Technical Specification documents.
* Analyzed the Product backlog, Sprint Backlog and developed Test Suites to cover the overall quality assurance testing.
* Involved in complete **QA Life Cycles**. Developed and maintained various test cases and test scripts using **Data Driven Framework**.
* Used **Selenium** as the automation tool and JIRA as the defect management tool.
* Developed and enhanced various test scripts using **selenium** tool to handle the changes occurred in the web elements during the build releases.
* Reviewed and analyzed the user acceptance criteria alongside with the business analysts to test the application for UAT using **cucumber**.
* Expertise in running multiple test scripts at the same time against different machines, running **different browsers** and operating systems using **Sauce Labs**.
* Created Automation script using Robot Framework on Python for web based application.
* Expertise in using **TestNG** tool to perform cross browser and parallel testing.
* Executing and maintaining automated regression test scripts written in Python.
* Develop test scripts using **Python** for verifying storage optimization methods.
* Developed scripts in**python**, sikuli environment for test bench automation.
* Utilized various **TestNG annotations** to group test classes, methods, suites; to pass parameters, and to generate reports containing test results using **listener’s annotation**.
* Handled various operations like **pop-ups**, Web-**Alerts**, Java-Alerts, **iframes**, windows-handling and utilized **Select class** and **Action class** for required operations.
* Developed customized **Xpath** and **CSS** path locaters to find the address of web-elements and utilized other locators like ID, Name, Class Name, Linked text and Partial linked text.
* Expertise in **Maven** and performed different operations on **POM.xml** file to gather required **dependencies** and run numerous test scripts. Proficient in configuring **Jenkins** to perform required tasks by specifying path of version control and hardcoding the operations to be performed on it.
* Proficient in using various **SOAPUI** actions to perform **SOAP** and **REST** services to get information either from third parties/internally and tested the results using assertions.
* Used different modules in **JIRA** to report and track the defects, and communicated issues with the developers for a better solution.

**Environment:** Selenium WebDriver, Robot Framework, Python, AGILE, Sauce Labs, Java, Eclipse, TestNG, Maven, Jenkins, Microsoft Office Excel, Cucumber, SQL, Git, JIRA, SoapUI.

**Project: 3**

**Project Profile:**

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| Client | Landmark Bank |
| Location | Houston, MO |
| Duration | January 2013- December 2013 |
| Role | QA Automation Engineer |

**Roles/Responsibilities:**

* Involved in writing and implementation of the Test Cases.
* Developed **Test Scenarios, Test Cases, Test data, Test Procedures** and **Test Reports.**
* Developed and executed Test scripts using **Selenium WebDriver**, **TestNG,** analyzed **Test Results**.
* Implemented **keyword Driven framework** with Selenium WebDriver.
* Performed Continuous Integration of code and scripts using **Jenkins.**
* **Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using Selenium.**
* **Performed parallel and Cross Browser testing on different browsers like Internet Explorer, Chrome, Safari and Firefox where multiple tests were run at the same time.**
* **Scripted the test cases and managed the framework dependency jars using Maven.**
* **Used Parameters, Data Provider TestNG annotations to perform regression and functional testing.**
* **Stored the flow details of Selenium Automation in a file using Log4j.**
* Wrote Scenarios, Scenario Outlines and step definitions using Gherkin in Cucumber for BDD.
* Analyzed and Validated test results to ensure existing functionality and recommend corrective action where necessary.
* Participated in all phases of the Software Testing Life Cycle.
* Participated QA weekly meetings and various other meetings and discuss enhancement and modification request issues and defects in the application.
* Worked with developers to update the defects, resolve them and track their status using **JIIRA**
* Validate compliance with business requirements in **System Test** and **UAT** Environments.
* Used **SQL** statements to extract data from the tables to validate test results.
* Created PowerPoint presentations and project updates for management review.

**Environment:**Selenium WebDriver,TestNG, Keyword Driven Framework, Jenkins, Jira, SQL.

**Project: 4**

**Project Profile:**

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| Client | Life Insurance Corporation of India |
| Location | India |
| Duration | January 2010- December 2012 |
| Role | QA Analyst |

**Roles/Responsibilities:**

* Understanding the Business requirements, Application and function specifications, Design documents.
* Involved designing and developing of templates for the **Test Plans** and **Test cases**. Involved in Preparation of Test Scenarios and review of Test Cases.
* Involved in updating and executing test cases as pergiven requirements. Identified the Test Cases and documented them in **Quality Center**. Performed GUI, Functional, **Regression, Ad-hoc** and Smoke Testing. Prepared various **reports** based on different stages of Testing.
* Worked with developers to communicate regarding issues in the application.
* Coordinated the testing effort towards **End-to-End testing** to verify the proper functioning.
* Developed test scripts to Performed **Integration testing, System testing, Regression testing, User Acceptance testing (UAT)** and **Back End testing** of an application.
* Performed Shakeout testing, Functional End-to-End Testing and Regression testing manually on Tomcat Application server.
* Involved in developing detailed test plan, test cases and test scripts for Functional and Regression Testing.
* Created Test input requirements and prepared the test data for data driven testing.
* Data validation and Database integrity testing done by executing **SQL queries.**
* Performed **quality assurance** reviews on all **System Development Life Cycle** phases.
* Follow up with Development team on defect resolution. Updating daily status to Release Manager which includes issues, action items, defect status etc.

**Environment:** Windows XP, Manual Testing, Black Box Testing, Microsoft Office Excel, QC, Junit, Waterfall.