**Ranjit Bhatta**

[**ranjitbhatta7@gmail.com**](mailto:ranjitbhatta7@gmail.com)

**240-883-7490**

**SUMMARY:**

* Around 7+ years of experience in all phases of Software Design, Development and Testing with emphasis on Quality Assurance.
* Strong knowledge of the Software Development Life Cycle (SDLC).Extensive knowledge of QA Standards methodology, QA framework, and QA process
* Strong analytical and QA testing skills, capacity for work and diagnostic ability, gathering different kind of project requirements.
* Created Automation best practices guide in Confluence.
* Created test Plans, Test Scenarios, Test Cases according to Business, Functional and User Requirement Specifications and Writing Test Scripts and Reports.
* Participated in bug meetings with developers to validate the severity of the bug. Manually retested the application for smoke testing and regression testing. Experience in Black box testing and White box testing.
* 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.
* Involved in regression testing, system testing, integration testing, smoke testing, performance volume, stress, and ad-hoc testing.
* Experienced in SQA (Software Quality Assurance) including Manual and Automated testing with tools such as Selenium WebDriver/IDE/Grid, and JUnit/TestNG, Load Runner, HP ALM/ Quality Center, JMeter, JIRA, SOAPUI, **Cucumber** with **Gherkin**.
* Knowledge of Test Design Patterns like **Page Object Pattern** and **Page Factory Pattern**.
* Knowledge of **XML**, **XML Schema**, **XPath**, **Apache POI library**.
* Knowledge of **Web Services** testing with **SoapUI**.
* Knowledge in Automation Framework like **Hybrid**, **Data Driven** and **Keyword driven**.
* Experience in testing using JUnit, TestNG.
* Experience in Database technologies such as **Oracle, MS SQL** and **MySQL**.
* Hands on experience on the development tools; **Eclipse**, **IntelliJ, JDeveloper**. Hands on experience on the Version Control tools such as **GIT**, **SVN a**nd **CVS.**
* Hands on experience on containerization with **Docker**.
* Hands on experience of continuous integration with **Jenkins**.
* Strong skills in Back-End testing using SQL queries generating reports to ensure data integrity.
* Worked on **Windows**, **Linux**, **MAC OS X** environment.
* Good **debugging** and **problem solving skills** with excellent understanding of system testing methodologies, techniques and tools.
* Experience in refactoring and enhancing existing code.
* Excellent **analytical,** **problem solving**, **communication skills** and a **team player.**

**Technical Skills:**

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| --- | --- | --- | --- |
| **Languages** | | Java, JEE, C, C++ | |
| **Java Technologies** | | JSP, JSTL, Servlets, JSF, JDBC, Log4j, Struts, Spring MVC, Hibernate, Selenium | |
| **Methodology** | | Waterfall, Agile | |
| **Design Patterns** | | MVC, Business Delegates, Business Objects, Transfer Objects, Singleton, Front Controller, Dependency Injection, Composite View | |
| **Wweweweweweb techonoload Web Technologies** | | HTML, CSS, XHTML, XML, JavaScript | |
| **Framework** | Hibernate, JSF, JSP , Struts, SpringMVC, POM, DataDriven, Keyword Driven, Hybrid, Page Object Model (POM), Data Driven Framework, Keyword Driven Framework, Hybrid Framework, and Behavior Driven Testing using Cucumber Framework | |
| **Testing and Logging Tools** | JUnit, TestNG, Mokito,Log4j | |
| **Development Tools & IDE** | Eclipse, JDeveloper, IntelliJ, MySQL Workbench, SQL Developer | |
| **Database Technologies** | SQL Server, MySQL, Oracle, DB2, | |
| **Web and Application Server** | WebSphere, Weblogic, JBoss, Tomcat | |
| **Operating System** | Windows, Linux, MacOS X | |

**PROFESSIONAL EXPERIENCE:**

**Automatic Data Processing, LLC. , Roseland, New Jersey Aug 2016-Apr 2018**

**QA Test Engineer**

ADP helps organizations in more than 110 countries, of all types and sizes to unlock their business potential by providing [human resources](https://en.wikipedia.org/wiki/Human_resources) management software and services. As a QA analyst I was working on Learning Management System (LMS) application that involved in creating courses, assignments and polls for the employees. I worked on this application under agile methodology, to ensure all the functionalities were working as correct as expected and developed Selenium WebDriver automation scripts.

**Responsibilities**

* Responsible for designing test cases and executing them within an AGILE software development SCRUM environment.
* Reviewed and Created Project Assessment, Project Plan, Business Process Requirements, Technical Requirements, Test Specifications, Test Results, and Test Results.
* Developed automated scripts for performing Regression Testing through **Selenium Web Driver**.
* Implemented Page Object Model Automation framework with Java and **Selenium Web Driver.**
* Extensively used **Selenium** (data-driven, XPath locator) and **Web Driver** to test the web application.
* Used **Cucumbe**r for the entire regression testing and functional testing with selenium as primary tool to the Test Scenarios, Test Cases and Test conditions identified.
* Developed Hybrid Test Framework using **Selenium WebDriver**, Maven, Cucumber and TestNG.
* Used Base Camp tool to keep track of project discussions, files and events from beginning to end.  Perform acceptance testing using **Cucumber.**
* Responsible for implementation of Hybrid Test Automation Framework build using **Selenium, TestNG** and Maven technologies under Java platform utilizing industry leading harness design patterns and approaches.
* Extensively used selenium IDE to record, playback and debug individual test cases, using selenium Web Driver provided more flexibility in automating test cases.
* Created selenium /java tests for advertising regression testing and production monitoring purposes.
* Used **Maven for building the Web Driver** project. Integrated with Continuous Integration tools Jenkins for running test on nightly basis automatically.
* Performed functional testing to identify various critical points in the application and automated it by using **Selenium WebDriver** with **TestNG.**
* Designed and developed User defined functions, Generic functions with **Cucumber,** **Selenium/WebDriver** and Java programming.
* Installed and configured **Selenium** as per the requirements of the client following the procedure.
* Responsible for setting up of **Eclipse, TestNG** and Maven for development and execution.
* Used **Selenium WebDriver and Selenium framework** (Page Object Model) to automate functional testing of GUI.
* Wrote SQL query to perform data validation and verification.
* Attended walkthroughs and review meetings to design the application with Business analysts, development teams and Operations.
* Reviewed user requirements and provided direction in the identification of problem and potential resolution.
* Created **TestNG framework** to run automated GUI tests and Maven to build the project.
* Developed, implemented and maintained reusable custom method/functions using **Selenium WebDriver.**
* Implemented Continuous delivery with Jenkins to commit to GitHub branch as well as delivery of XLST report.
* Developed and maintained **Selenium Web Driver** test scripts for functional and regression testing including dynamic parameterization using excels spreadsheets.
* Performed cross-browser testing across different Operating systems Selenium Grid.

**Environment**: Selenium   Web Driver, Cucumber, Confluence, TestNG, Black box testing, SVN, Git /GitHub Maven, Jenkins, Selenium  Grid, HTML5, XML, JIRA, HP ALM , Java Script, Agile

**Fifth Third Bank, Cincinnati, OH Aug 2014-July 2016**

**QA Test Engineer**

Fifth Third Bank is a U.S. regional banking corporation, whose main businesses includes branch banking, commercial banking, consumer lending, payment processing, investment advising, and title insurance. The project scope involved System testing of the Online Banking web application, which allows the customer to access the accounts and administer their various Checking and Saving Accounts. The project involved the enhancements made to the Account Access application which provides the Account Summary (balances, last deposits, etc.) for various accounts and ability to transfer the funds between the various accounts using Fund Transfers. The user can change the account options such as PIN and disable or enable the ability to transfer the funds between accounts.

**Responsibilities**

* Gather business requirements, study the application and collect the required information from developers, and business.
* Used **Cucumber** for the entire regression testing and functional testing with **Selenium** as primary tool to the Test Scenarios, Test Cases and Test conditions identified.
* Developed Hybrid Test Framework using **Cucumber**, **Selenium Webdriver**, Maven and TestNG.
* Developed selenium scripts in **TestNG** for parameterization using DataProvider annotation.
* Used Base Camp tool to keep track of project discussions, files and events from beginning to end.  Perform acceptance testing using **Cucumber.**
* Used **Application life cycle management** **(ALM)** for design test plan, test cases development, test cases executions and for Defect Management
* Manually tested and executed test cases. Assign tasks to other QA team members, submitted weekly Status reports reporting the bug metrics.
* Perform parameterization of the automated test scripts in selenium to check how the application performs against multiple sets of data Contributed in developing Automation Framework that uses Java**, Selenium Webdriver and TestNG.**
* Select Test Cases to be automated and perform functional testing of the front end using selenium (IDE and Web Driver) and create a Data Driven framework using **TestNG.**
* Prepare Master Project Plan, Master Test Plan, UAT Test Plans, Test Logs, Test tracks, Test Strategy, Test Scenarios and execution of Test Cases.
* Use Maven as the build tool, GIT for version control, Jenkins for Continuous Integration and JIRA as a defect tracking tool.
* Create Automation framework and building Function Libraries.
* Execute parallel browser testing on various machines using **Selenium Grid** and performed cross browser testing.

**Environment:** **Selenium , Cucumber**,  Web Driver, TestNG, Black box testing, SVN, Git /GitHub Maven, Jenkins,, selenium  Grid, , HTML5, XML, JIRA HP ALM , Bugzilla, HPALM/QC

**Renew Financial, Portland, OR Feb 2013- July 2014**

**Selenium Automation Engineer**

Renew Financial specializes in innovative financing solutions for energy efficiency, renewable energy, water-saving, and resiliency projects. Their robust and flexible financing options help property owners save resources and money while strengthening local economies and supporting communities in reaching energy and water conservation goals. I was working as Selenium Tester to automate their contractor enrollment. I was involved in selenium (data-driven, XPath locator) and Web Driver to test the Contractor enrollment web application. I was also responsible for implementation of Hybrid Test Automation Framework build using selenium, TestNG and Maven technologies under Java platform utilizing industry leading harness design patterns and approaches.

**Responsibilities:**

* Responsible for designing test cases and executing them within an AGILE software development SCRUM environment.
* Reviewed and Created Project Assessment, Project Plan, Business Process Requirements, Technical Requirements, Test Specifications, Test Results, and Test Results.
* Developed automated scripts for performing Regression Testing through selenium Web Driver. Implemented Page Object Model Automation framework with Java and selenium Web Driver.
* Extensively used **Selenium** (data-driven, XPath locator) and Web Driver to test the web application.
* Responsible for implementation of Hybrid Test Automation Framework build using **Selenium, TestNG and Maven technologies** under Java platform utilizing industry leading harness design patterns and approaches.
* Extensively used selenium IDE to record, playback and debug individual test cases, using selenium Web Driver provided more flexibility in automating test cases.
* Created selenium /java tests for advertising regression testing and production monitoring purposes.
* Used Cucumber for the entire regression testing and functional testing with **Selenium** as primary tool to the Test Scenarios, Test Cases and Test conditions identified.
* Developed Hybrid Test Framework using **Selenium WebDriver**, Maven, **Cucumber** and TestNG.
* Used Base Camp tool to keep track of project discussions, files and events from beginning to end.  Perform acceptance testing using **Cucumber.**
* Used Maven for building the **Web Driver** project. Integrated with Continuous Integration tools Jenkins for running test on nightly basis automatically.
* Worked on proof of concept to Automate Functional and Regression Testing using selenium tool.
* Performed functional testing to identify various critical points in the application and automated it by using Selenium WebDriver with TestNG.
* Performed SOA testing for Payments API's using SoapUI and Java framework for Web Services testing.   
  Experience with Assertions like Schema Compliance, XPath and SOAP responses.   
  Implemented Regression and Smoke tests execution as separate step of deployment process.
* Worked on regression testing, automation estimation, design and framework. Provided the detailed implementation plan to management.
* Administered and developed custom plugins for the JIRA instance.
* Actively involved with scrum and sprint meetings, managing product backlog, removing obstacles to progress, re-allocating resources where necessary, prioritizing and review milestones and accomplishments.

**Environment:** Java, selenium Web Driver, SoapUI, **Cucumber**, Jenkins, Firefox, Maven, SQL, Eclipse, JIRA, UNIX/ linux, XML, Load Runner, SVN

**Client: Home Depot, Atlanta, GA. Mar 2011 – Jan 2013**

**Role: QA Automation Engineer**

Home Depot is the world's largest home improvement specialty retailer, with more than 2,200 retail stores in the United States. I was involving in testing Shopping Cart, product range and Checkout modules of the website to test that process with all possible test data sets in different scenarios.

**Responsibilities:**

* Analyzed business requirements, system requirements, and **data mapping requirement** specifications interacting with client, developers and QA team.
* Involved in analyzing **system specifications, design, development** and execution of test plans and test cases for **Manual** and **Automated testing**.
* Designed, developed and implemented **POM** based automation testing framework utilizing Java, **TestNG** and **Selenium WebDriver**.
* Setup the Automation framework using **Selenium WebDriver** to run test cases in multiple browsers and platforms.
* Developed custom libraries **for automation** using **JAVA & Selenium WebDriver**.
* Involved in design and implementation of Selenium WebDriver automation framework for smoke and regression test suites **(TestNG).**
* Developed Automation framework using **Selenium WebDriver (Java)** and Test Execution using **TestNG.**
* Responsible for implementation of Hybrid Test Automation Framework build using **Selenium WebDriver, TestNG and Maven** technologies under Java platform utilizing industry leading harness design patterns and approaches.
* Maintained and executed **Maven build files** for running automated tests.
* Implemented Automated execution of tests (nightly and need based) using **Maven and Jenkins**.
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using **Jenkins**.
* Used **Firebug** to do web based application testing with **Selenium** for the commands and locator application.
* Performed manual testing of each build and then **regression testing** on each builds using **Selenium WebDriver.**
* Involved in testing Web services and XML with tool called **SOAP UI** and using this tool to locate WSDL file on internet, create Test cases and run them
* Worked on **Cross Browser testing** through **Selenium WebDriver** by testing the website on different browsers like Chrome, IE and Firefox.
* Worked with designing and building automation frameworks in **Cucumber BDD.**
* Conducted **System Testing** and **User Acceptance Testing** for every client and Conducted Backend testing writing extensive **SQL queries**.
* Worked with **Source version control** tool such as **Git**
* Involved in **documentation** as to how to maintain and run scripts for future enhancements. Responsible for testing the application against different environments in **QA, staging and production**.
* Participated QA weekly meetings and various other meetings and discussed Enhancement and Modification Request issues and defects in the application.

**Environment**: Java, Selenium WebDriver, Maven, TestNG, Jenkins, XPath, Eclipse, SOAP UI, JIRA, Git, Firebug, HTML, XML, CSS, Internet Explorer, Chrome, Firefox, SQL, Oracle, Windows.