**Rajasekhar**

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Sr.QA/Selenium Automation Engineer

**Professional Summary:**

* Senior Quality Assurance Analyst, around 8+ years of Industry experience in Software Testing with Selenium Automation in JAVA web projects, Manual Testing with Client facing ability as well. Expertise in **Selenium WebDriver** Automated testing & Frameworks, **Page Objects & Hybrid Frameworks**, TDD, BDD, Web testing and Functional testing.
* Experience in different phases of Software Testing and Software Development Life Cycle (SDLC) including Agile Methodology/**SCRUM**, Waterfall and TDD.
* Practical hands on experience in different automation frameworks like **Page Object Model Framework**, Test NG Framework, Keyword Driven Framework, Data Driven Framework, and Hybrid Framework for a number of projects.
* Expertise in writing Selenium Webdriver automation scripts in Java for Cross browser testing.
* Experience in using **Selenium Webdriver**, Eclipse, Java and **TestNG**, test frameworks in creating test scripts, test suites and HTML reports.
* Experience in working with open source tools such as **Selenium** (Selenium IDE, Selenium RC, Selenium Web Driver and Selenium Grid), Soap UI, **JIRA** and **Eclipse**.
* Conversant in developing Test scenarios, Test cases, Test data, Test procedures, Test reports and documenting Manual and Automation Tests.
* Automated regression test cases using Jenkins build jobs, Selenium IDE, WebDriver, TestNG and **Maven**.
* Experience in Black Box and White Box testing for functionality and structural flow of an application.
* Experience in Web based testing including GUI Testing, **Regression Testing**, **Integration Testing**, System Testing, Performance Testing, Stress Testing, Functional Testing and Unit Testing.
* Proficient working knowledge of **Core Java and Object Oriented Concepts** (Inheritance, Polymorphism, Exception Handling, Multi-Threading and Collections)
* Experienced in using Test Management tools such as **TFS, Rally, JIRA, Bugzilla** and **Quality Center (ALM)** bug reporting tools to track test progress, execution and deliverables.
* Excellent experience of HP automation tool **QTP** and VBScript language.
* Experience in writing queries and **SQL** scripts to perform back end testing with various relational Databases like Oracle, **MYSQL, SQL Server** and DB2.
* Identified correct GUI elements using various Selenium Locators like ID, Name, Link Text, Partial Link Text, XPath and CSS to find the Web Elements using selenium and creating automation scripts.
* Automated regression test cases using Jenkins build jobs, Selenium IDE, WebDriver, TestNG and Maven.
* Hands on experience in using build and project management tolls like **Ant, MAVEN** and Configuration management tools like SVN, GIT.
* Worked extensively in testing Soap and Restful web services using **SoapUI**and validated the response using assertions.
* Experienced in designing **Page Object Model (POM) and TestNg**based automation framework using Selenium WebDriver, Java, TestNG& apache POI.
* Experience in designing automation framework using **Page Object Model (POM)** Design for better code reusability & maintenance.
* Experienced in Automated Testing using **Selenium, QTP, WinRunner and LoadRunner.**

**Skill Set:**

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| --- | --- |
| **Methodologies** | Agile/ Scrum, Waterfall, |
| **Automation Tools** | Selenium IDE, Selenium WebDriver, Selenium RC, Selenium Grid, Quick Test Pro, JUnit, TestNG , Soap UI. |
| **Frameworks** | TDD, BDD, Hybrid |
| **Bug or Test Management Tools** | Quality Center, JIRA, ALM, Rally, TFS, Clear Quest |
| **Programming Languages** | Java, JSP, AngularJS, HTML, XML,JavaScript, Perl & Shell Script, SQL. |
| **Web Services** | SOAP, Rest |
| **Continuous Integration Tool** | Jenkins |
| **Build Management Tools** | ANT, Maven |
| **Browsers** | Internet explorer, Mozilla Firefox, Google Chrome, Safari , Opera |
| **Operating Systems** | Windows variants, UNIX, Mac |

**Client: Carefirst, Cumberland, MDApril 2015 –Present**

**Role: Senior Selenium QA Tester**

**Description:**

The main goal of the project is to provide the insurance experience simpler, easier and better for everyone involved by delivering practical and innovative solutions that meet unique customer needs. Application involved the quotation tool and also allowed customers to purchase the insurance online after selecting the insurance plan, pricing and location details.

**Responsibilities:**

* Developed Web Client Test Cases based on Business Rules.
* Performed functional, negative, positive, Integration, Regression, End to End and User Acceptance Testing.
* Developed the Automation Test Scripts using **Selenium** JUNIT framework
* Execution of test scripts using **SeleniumWebDriver** using JUnit frame work
* Setup **SeleniumGRID** to run **Selenium** scripts on different browsers
* Worked with developers and the testers to verify test cases.
* Involved in executing the **SQL Queries for Data Validation**, Record Counting and Non-Duplication Testing.
* Extensively testing Web Services using **SOAPUI** (SOAP/**REST**).
* Converting existing **UFT Script to Selenium script** to support multiple browsers using **Java, Selenium and TestNG& Eclipse.**
* Develop test automation framework based on **Page Object Model, TestNG and Selenium WebDriver**.
* Design and build automation framework for different web-based software products using **Page Object Model (POM) Design** to reduce code and for better maintenance
* Implement Test Automation Framework based on **Page Object Model, Java, Selenium &TestNg**
* Created and executed multi-action scripts based on test script/scenario flows
* Involved in querying using **SQL** and updating records and validate database records as expected
* Used HP QC for tracking defects and notifying developers.
* Involved in Task Estimation, Prioritization, Creation and Communication to Onsite & Offshore teams
* Developed manual test scripts and automation test scripts using **Selenium** to evaluate Security of Web based user authentication apps
* Coordinated user acceptance testing with final users & prepared end user documentation for the new system.
* Maintained bug lists for critical issues using Quality Center & reported the same in status meetings
* Prepared and Presented weekly and monthly QA Defect and Status Reports to the different Stake holders.

**Environment:** Quality Center, Manual testing, **Selenium**, HTML, SQL server , AngularJS, Internet Explorer, Microsoft outlook, PowerPoint and Visio, HP Quality Center ALM

**Client: Asurion, Nashville, TNFeb 2014 – Mar 2015**

**Role: Selenium Automation Engineer**

**Description:**

Asurion, provides device protection and support services for smartphones, tablets, consumer electronics, appliances, satellite receivers and jewelry.The company's insurance plans are sold through mobile phone carriers, direct broadcast satellite service providers and retailers, such as AT&T, Verizon Wireless, Sprint, T-Mobile, NTT DoCoMo. Asurion's extended warranty plans are sold through major retailer, such as DirecTV, Walmart, Amazon, Costco, and Target. The company was recognized by the Consumer Electronics Association in 2015 with a CES Innovation Award for its support and protection apps that combine live support and instant notifications to keep devices running and mobile secure.Asurion offers a phone application that allows a user to run virus scans on your mobile device. Asurion's Tech Coach Services has the ability to remote control a user's desktop or Android phone

**Responsibilities:**

* Report on testing progress to the Project Manager and other designated project personnel.
* Worked on Hybrid Automation Framework using **Web Driver**, Eclipse, **TestNG**and **Java** in Windows platform to cut down regression testing time.
* Modify Updating of Automation scripts and execution of multiple browsers.
* Scripting the test cases for regression using **Selenium WebDriver** using Java.
* Created test scripts in Selenium and enhanced those scripts using **Java API and Test NG**.
* Interact with end users to obtain specific system requirements and develop Test Plans, Test Cases and Test Scenarios.
* Trained other developers regarding usage of Selenium framework.
* Involved in **Regression testing** using Selenium and creation of automation scripts for web pages.
* Designed & Implemented a **Hybrid Test Automation Framework (Data + Keyword**) using Selenium WebDriver
* Used **Selenium Grid** to execute parallel tests on multiple browsers - IE, Chrome, Firefox & Safari
* Executed manual scripts and participated in **UAT** activities.
* Extensively used **Selenium (data-driven, XPath locator)** and **Web Driver** to test the web applications.
* Experience working with various validations like Ruby, Client side, **JavaScript**, Parsley Validations and was actively involved in testing Frameworks like **Cucumber** andSelenium.
* Writing internal functional libraries for cucumber using ruby.
* Reviewed test results, issues and defects related to business units.
* Handled special mouse events and selected the options from the drop down menu using Selenium Actions builder, mouse hover and synchronization.
* Manage defect process, analysis, and assignment and report and verify all bugs
* Performed cross Browser compatibility testing on different Operating Systems using **Selenium WebDriver.**
* Verified the integration of various components in the application and executed end-to-end testing.
* Used **Bugzilla** for defect tracking purpose.
* Worked closely with developers to verify functionality of the application.
* Attended daily project **scrum** meetings and weekly team status meetings.
* Designed and executed test cases for new modules of the application which is based on **Web-based applications.**
* Created Scenarios using **Cucumber** and tested in BDD.

**Environment: Selenium Web Driver**, Java, **TestNG**, **Cucumber**, Bugzilla, Eclipse, IE, Quality Center Firefox, **Agile Methodology,** Selenium, JXL, Eclipse, **SOAP**, Test Track Pro.

**Client: American Airlines, Fort Worth, TX Oct 2012 –Jan 2014**

**Role: QA Automation Engineer**

**Description:**

American Airlines Cargo, a division of American Airlines, Inc., is one of the leading international air cargo providers. The cargo unit has embarked on a multiyear business transformation program (Project Everest) to migrate from the legacy systems to more agile business driven systems.  As part of this program, the warehouse operations has identified shipment piece tracking as one key area to be addressed by the transformation effort. Once implemented, the Location tracking project will provide the cargo business unit visibility to all the shipments (at piece level) across all their warehouses from tender to delivery.

**Responsibilities:**

* Analyze the Design, Architecture Documents, IT Plan, Use Cases and developed & supporting **test plans, test cases & scripts**.
* **Integration, system, functional, regression and systems integration testing** with testing interfaces between several systems.
* Interface Testing of **Sabre**, which is built on Mainframe architecture. Using XML as an interchange format allows seamless data exchange between Downstream and Upstream applications.
* **Executes integration and regression** test cases as required for application releases and enhancements and Documenting test results for corrective actions, reporting and audits.
* Data analysis - ability to understand Logical and Physical Data Models and Backend **Database Validation testing using SQL Developer and TOAD**.
* Automated manual test scenario using **Selenium WebDriver and TestNG framework**.
* Used Hybrid Framework and extracted the data from external Excel files using **Apache POI**.
* Configured the Test Cases to receive input Test Data Sets for the corresponding test cases using **TestNG Data Provider Annotation**.
* Performed **Cross BrowserTesting** on different types of browsers to run all the tests at the same using TestNG.
* Used **HP ALM** to track bugs and maintained the flow of iterations.
* Performed Regression testing using Selenium WebDriver, TestNG and Jenkins Continuous Integration.
* Executed Batch files using Selenium.
* Maintained and executed **ANT** build files for running automated test cases along with Continuous Integration tools like Jenkins.
* Performed black box testing, database testing and web-based testing on each transaction using **Selenium automated scripts**.
* Scripted the Test cases and managed the framework dependency jars using **Maven**. Used **Maven to perform build from Jenkins Continuous Integration**.
* Scripted SQL queries to verify data integrity, data validation and data design.

**Environment:** Selenium IDE, **Selenium Web Driver**, QTP, **TestNG**, Java, Eclipse, Hybrid/Data Driven Framework, Linux, **Oracle, SQL, JIRA**, SVN, **Maven, Jenkins**.

**Client: First Bank and Trust, Springfield, IL. Jun 2011-Sep 2012**

**Role: QA Automation Engineer**

**Description:**

First Bank and Trust opened for business on May 21, 1991.First Bank is a state chartered, FDIC insured, New Orleans based bank with approximately $800 million in assets. First Bank and Trust's mission is to help people achieve their financial goals and realize their dreams. First Bank & Trust has consistently earned the Blue Ribbon Commendation of Excellence from VeriBanc for demonstrating exceptional attention to safety, soundness and financial strength. First Bank & Trust has also consistently received a high rating from Bauer Financial.

**Responsibilities:**

* Involved in writing and executing detailed Test cases, Test plans and Test design documents.
* Identified test cases to automate. Automate those test cases using **Selenium RC,Junit** and Java (7Eclipse IDE) contributed in framework creation.
* Developed Automation Scripts, Execution and Analysis Test Results using a Hybrid Framework in **Selenium RC.**
* Implemented Modular Frame work for **Selenium RC** scripts using Java in Page Library model.
* Developed a Data Driven Framework using **Selenium RC/IDE.**
* Performed functionality and regression testing during the various phases of the application using **Selenium RC.**
* Automated suitable test cases for Regression Testing using **JUnit** for back end automation.
* Identified Test cases based on the requirements, participated in implementation of Test Cases, and Test Script according to the Business Requirements, System Requirements.
* Tested request and response XML's based web services interfaces using **SoapUI.**
* Created Requirement Traceability Matrix and also updated the Requirement traceability matrix timely with the changes in HP **Quality Center**.
* Involved in providing the efficient locators strategy like XPath and CSS to run **Selenium RC** script in stable condition.
* Used **Jira** for Bug Tracking, Bug fixing, and Bug Reporting.
* Involved in the Database Testing using **SQL** Quires of the Application like checking all the Tables in the Database and checking whether the data is moving in their Respective Tables.

**Environment:Selenium RC/IDE**, Eclipse, Windows, Agile Methodology, **SoapUI,** MS Office tools**, Jira**, **Oracle, SQL Server**, HTML, XML, VSS Windows and **UNIX**.

**Client: American International Group, Jersey City, NJ Oct 2009 – May 2011**

**Role: QA Tester**

**Description:**

American International Group, Inc. (AIG), world leaders in insurance and financial services, is the leading international insurance organization with operations in more than 130 countries and jurisdictions. AIG companies serve commercial, institutional and individual customers through the most extensive worldwide property-casualty and life insurance networks of any insurer. In addition, AIG companies are leading providers of retirement services, financial services and asset management around the world.

**Responsibilities:**

* Generated Test Cases for each specification in Requirement Specification Document corresponding to each module.
* Linked requirements to test cases for Traceability in Quality Centre
* Developed **UNIX Shell** scripts for populating the data from tables into text files.
* Performed Manual Testing and Automated Testing using **Quick Test Pro**
* Customized **QTP VB** script according to functional requirements of the application.
* Conducted **Data Driven Tests**as per the stakeholder’s requirements
* Performed load/stress testing using rendezvous points and recording transactions in **Load Runner**, to pinpoint potential problem areas and bottlenecks
* Created and parameterized VB user scripts using Virtual User Generator.
* Designed scenarios and used Load Runner Controller to monitor all Vusers in a scenario from a single workstation.
* Used load Runner to check the performance of **Web services**, like monitoring server performance, Viewing server logs and monitoring error messages.
* Used **Load Runner** to check the source of performance delay: network or client delays, CPU performance, I/O delays, or issues with database server.
* Developed the share repository using **QTP Obj** Repository Manager.
* Created Data Driven Tests for testing the functionality with various test records using QTP
* Developed VB Script Library for Siebel login and other common features.
* Performed Integration testing using **QTP** by testing the outbound XML’s from SIEBEL
* Generated and Edited the scripts using **VB Script** in **QTP** for Automation.
* Conducting validations using check points and transactions in **QTP** to perform System Testing
* Created AOM scripts to maintain QTP Test bed and also scheduled test executions.
* Involved in Testing the EDI’s according to HIPAA code set 834 enrolments and Dis enrollment in a health plan using QTP.
* Involved in testing EDI’s according to code set X12 835 Claim Payment & Remittance Advice Claims processing and 837 Claim transactions.
* Involved in Testing Web Interfaces on Internet and also on Intranet.
* Manually performed Backend testing by executing SQL queries and Conducted Functional Testing using QTP.
* Used Quality Centre to house all test documentation and report/track all issues and defects.
* Performed back end testing for database auditing and data validation using **SQL** scripts.
* Updated, maintained, and promoted Test Scripts to Configuration Management for version control.

**Environment: Quality Centre 8.2, Quick Test Pro 8.0(QTP)**, **Java 2, J2EE**, XML, **Web Sphere**, Oracle9i, Windows, UNIX, IE, Netscape.

# Company: Trigent Software, India. June 2008 – Sep 2009

# Client: Nationwide Insurance

**Role: Manual Test Engineer**

Nationwide Insurance is an online web based application providing Insurance and Financial Services to the customers. This application has several modules like Homeowners, Life, Claims and Boat Owners Insurance modules. I was involved in testing the Auto Insurance Module This Online application allows the customers to register on their online web site to receive the Benefits and provide access to Pay insurance bills and view their insurance policies and quotes. With this application customer can also request policy documents, such as auto insurance ID card, review the status of insurance bill, access to saved insurance rate quotes, free online bill pay.

**Responsibilities:**

* Responsible for writing Test Scripts, Test flows and Test Performance documents, using MS Word and MS Excel.
* Involved in implementing QA methodology and Test Metrics.
* Expertise in Smoke Testing for overnight builds and reported the critical issues to the developers.
* Involved in documentation as to how to maintain and run scripts for future enhancements
* Prepared a detail test schedule and test metrics on a weekly basis to know the status of the application.
* Interacted with users for execution of test cases in **UAT**.
* Constantly involved in the team to adopt QA Testing Standards. Logged and Traced defects using Test Director.
* Attended weekly status meetings showing progress and future testing efforts.
* Detect defects, communicated to the developers using bug reporting tools and tracking the defects.
* Actively attend meetings with fellow testers and other groups to evaluate the progress and performance of the application.

**Environment:** JAVA, Manual Testing, Agile testing, JavaScript, Shell scripting, XML, SQL, PL/SQL, Oracle, and Windows.