**Charan**

**Automation QA Engineer**

**Email Id: - charanqa168@gmail.com**

**Mobile: - +1(201)-474-5541**

Automation QA Engineer with 6+ years of experience in Software Automation Testing, in all phases of Software Developer Life Cycle (SDLC) & Software Testing Life Cycle (STLC). Diversified experience in Application Automation --Web, API Testing, Mobile with hands on experience in different technologies like **JAVA, Selenium, Maven, Jenkins, Cucumber, SoapUI**. Domains: **Healthcare, Financial services, Ecommerce and Insurance**.

**Professional Summary: -**

* Worked in a **highly dynamic AGILE** environment and participated in scrum, sprint meetings and in waterfall.
* Expertise in dealing with open source tools like **Selenium (RC, WebDriver and Grid), SoapUI, Cucumber, TestNG, Jira and Eclipse.**
* Experience in working with **Java and OOPS** concepts required for the **Selenium Frameworks.**
* Experience in handling **Keyboard** and **Mouse** Events, Accessing Forms, tables, and link, using **Selenium WebDriver**.
* Experience in handling multiple **windows, Cookies, Alerts and Pop-ups** with **Selenium**.
* Experienced in using **Maven** to define project structure, dependencies, build and test management.
* Experienced in creating automation framework using **Hybrid model framework** and **Data Driven framework** to test web application. Thorough understanding of **POM** using page factory.
* Handled Selenium WebDriver features like **Implicit wait, Explicit wait and Fluent wait** under **Synchronization**.
* Experience in functional testing of web-based as well as client-server applications using **Quick Test Professional (QTP)** and**Selenium.**
* Implemented batch run of desired test cases using **TestNG** annotations like **Groups, Parameter, and Data Provider**.
* Experience using **Accessing Forms, tables, link, Keyboard Mouse Events, Uploading File** using Selenium WebDriver.
* Experience in Web debugging tools like **XPath, Firepath, and Firebug** and provided efficient locators for strategies like **Xpath and CSS** to run Web Driven scripts.
* Proficient knowledge on **Junit**, **TestNG** framework for Unit testing, **Apache Maven**, **Ant** for Project building tool, **Jenkins** for Continuous Integration.
* Experience in **Data Driven** Testing, **Cross Browser** testing and **Parallel Test** execution using **Selenium WebDriver, TestNG** and**Selenium Grid**.
* Experienced in **Web Services** testing using **SOAPUI** tool. Validated request and response **XML, SOAP** and **RESTFUL** Web service calls.
* Used **Groovy scripting** for creating the dynamic mock responses and for executing the test steps.
* Extensively used **Selenium APIs** such as **Takes Screenshot** for Capturing Failed test cases and keep the details of passed test cases.
* Developed Test Scripts to implement Features, Scenarios, and Step definitions for **BDD** (Behavior Driven Development), **TDD** (Test Driven Development) using **Cucumber** in **Gherkin** format.
* Generated test logs using **Log4j** for various **log levels**.
* Effectively involved in Defects logging, tracking and managing Defect Life Cycles **using HP Quality Center** and **JIRA.**
* Experience in Database Testing using **SQL Queries** with multiple Databases, SQL Server and MySQL.
* Expert in preparing **Requirements Traceability Matrix** to map requirement coverage with test cases.
* Experienced in **Back-End testing** to ensure data consistency on front-end by writing and executing **SQL** queries for data validation using advanced TestNG annotation Data Provider for code reusability and **Java JDBC** for retrieving the Data.
* Expertise in different types of testing like **Manual testing, Integration testing, System testing, Smoke testing, Regression testing, JUnit Testing, Black box testing, Functional testing, Database testing, GUI testing, Web / UI** and **(UAT)User Acceptance Testing**.
* Good hands on experience working with development tools like **Eclipse, edit plus, GDB, Microsoft Visual Studio, SQL Server Management Studio, Eclipse IDE**.

**Technical Skills: -**

|  |  |
| --- | --- |
| Methodologies | Agile (Scrum), Waterfall, SDLC, STLC, Bug Life Cycle. |
| Automation Tools: | Selenium WebDriver/IDE/RC/Grid, SoapUI, Cucumber, TestNG, HP UFT, Postman. |
| Programming Languages: | JAVA, Gherkin, Groovy Script, SQL, VB Script, C++, JSON |
| Markup Languages**:** | HTML, XML, XPath, CSS Selector. |
| Artifacts: | Test Plan, Test Case, Test Strategy, RTM, Test Summary Report, Product Backlog, Sprint Backlog, Bug report. |
| Test Frameworks: | Data Driven Framework, Hybrid, Keyword Driven, Page object Model (POM). |
| Build & Integration Tools: | Maven, Jenkins, ANT. |
| Bug Tracking Tools: | JIRA, Bugzilla. |
| Databases: | MYSQL, Oracle, SQL Server. |
| Utilities: | Eclipse, GITHUB, SVN, Firebug, Fire Path |
| Browsers: | Internet Explorer, Mozilla Firefox, Google Chrome, Safari. |
| Operating Systems: | Windows (XP, Vista, 7 and 8), Linux, and Mac OS X. |

**Professional Experience:**

**Role: Automation Engineer**

**Client: American International Group (AIG) JAN 2017 - Current**

**Location: Jersey City, New Jersey**

**Roles &Responsibilities:**

* Working on **Agile Methodologies** (Scrum) by following regular Sprint cycles with active involvement in all sprint meetings with tester, developers, scrum master and product owner
* Responsible for going through the User Stories and creating Test Cases based on the mock up's provided in User Stories.
* Involved in documenting the Test Plan, Test Cases, Traceability Matrix and defect reports.
* Creating test scripts using **Java** and **Selenium** Web Driver for the functional test cases.
* Designed and developed BDD/TDD/ATDD framework by using the **SpecFlow** (Cucumber Specification) and added Scenarios in features files, Step Definitions.
* Written various Features, Scenarios, and Scenario Outline with Examples, Scope Bindings, Dynamic Tables and Hooks in **Gherkin** language for developing BDD framework.
* Developed Automation scripts in Eclipse and used JUnit framework
* Created, implemented and maintained Page Objects (POM) for each Webpage
* Implemented **Selenium web driver** and **JUnit**.
* Served as an intricate team member in preparing Scope and Vision document. Helped manage scope and identify risks throughout the project life cycle.
* Used **JIRA** as Project management and **Bug tracking tool**.
* Performed **Data Driven Testing** (DDT) using Scenario outline and Examples. Creating test plan and test cases as per requirements.
* Integrated Automation scripts (Selenium WebDriver API) in Continuous Integration tools (Jenkins) for anightly batch run of the Script.
* Perform **Functional Testing**, Regression Testing, System Integration testing, (**UAT**) User Acceptance Testing and **End to End Testing**.
* Implemented logic to read data from the Excel to achieve functional testing with different data.
* Performed mouse actions using Selenium Actions API. Implemented web element locators using Selenium WebDriver - By ID, Class, Name, CSS Selector, Xpath and Link.
* Working on Selenium Web Driver with Testing -Working On **Protractor**.
* Involved in testing the Web Services like **SOAP** by using a tool **SOAPUI.**
* Created Project, TestSuites, Test Cases and Test Steps in SOAP UI Tools and Validated the Response XML file.
* Wrote **SQL Queries**.
* Scheduled Weekly Status meeting with Development and Management teams to discuss bugs and other issues.
* Involved in Defect Review meetings and Quality Assurance meetings to escalate the issues found.
* Updating the test plan document for every Sprint meeting.
* Logging the bugs which are found during Manual Testing and Automation Testing the Suit.
* Performed parallel execution of test cases using **Selenium Grid**.

**Environment:** Eclipse (IDE), Selenium WebDriver, Selenium Grid, JIRA, Data Driven Behavioral Driven Development (BDD), Page Object Model (POM), SpecFlow, Gherkin (Cucumber), Junit, Jenkins, Protractor, Sql, Chrome, Firefox, Internet Explorer, Excel.

**Role: QA Engineer**

**Client: Becton Dickinson AUG 2015 - DEC 2016**

**Location: Franklin Lakes, New Jersey**

**Roles &Responsibilities:**

* + - * Achieved good understanding of **Business requirements and Functional requirements.**
      * Participate in story grooming sessions, **Agile/Scrum**.
      * Prepared Test Plan, Test Scenarios and Test Cases and documented them in **HP Quality Center**.
      * Involved in Automation Infrastructure Development using **Eclipse IDE, Java, Selenium** Jars and **TestNG**.
      * Performed manual testing and maintain documentation on different types of Testing **Positive, Negative, Regression, Integration, System, User-acceptance, Performance and Black Box**.
      * Provides the status reports like how many test cases executed, defects found, defects pending, defects solved.
      * Perform functional testing to identify various critical points in the application and automate it using Selenium WebDriver.
      * Created Test Cases using Element Locators and **Selenium Web Driver** methods.
      * Setup **Selenium GRID** to run **Selenium** scripts on different browsers.
      * Involved in testing Web services (SOAP and REST) and XML with tool called SOAP UI, with URL and created Test cases, run them, do load testing, security testing.
      * Wrote **Selenium** script for taking screen shot and used action class to perform mouse movement.
      * Expertise in **POM.xml** to get required **dependencies** from **central repository**, add plugins, ran scripts using pom.xml file.
      * Integrated TestNG with Selenium using Eclipse to generate test execution result.
      * Create **JIRA** cards for all the defects found during the functional and regression testing.
      * Extensively used Selenium APIs such as **Takes Screenshot** for Capturing Failed test cases, select for selecting multiple values from list, Action for various key and mouse event, with different **Locators (Xpath, CSS, id, Link text**).
      * Implemented Page Object Model Automation framework with Java, Selenium WebDriver and Cucumber.
      * Involved in writing Cucumber Gherkin scripts as part of product design.
      * Test automation for web application using **Cucumber.**
      * Worked with all agile development and **SCRUM** process throughout the entire project.
      * Worked extensively on **SoapUI** for mocking the back-end web service calls.
      * Developed automated **Cucumber** tests using Java for step definitions.
      * Extensively performed Manual Testing process to ensure the quality of the software.
      * Wrote **SQL queries** and stored procedures to validate data.
      * Documented errors and implemented their resolutions.

**Environment:** Java, Selenium WebDriver, TestNG, Extent Reports, Eclipse, Windows, Maven, SQL server, JIRA, JSP, SOAP UI, SCRUM, AGILE.

**Role: QA Engineer (Selenium)**

**Client: Capital Group SEP 2014 – JULY 2015**

**Location: Irvine, California**

**Roles &Responsibilities: -**

* Managed large-scale data migrations, migration simulations, go-lives, functional testing, GUI testing, user acceptance testing, regression testing, compatibility testing, load testing and stakeholder communications.
* Migration engagement Project Planning and Scoping of time and estimates and forecasting for client.
* Participated in daily **Scrum** meetings, discussed with Business Analysts and Developers about requirement gaps, defects and blocking issues.
* Involved in testing different processes like data migration (master & transactional) and documented testing documents in JIRA.
* Setup the Automation framework using **Selenium WebDriver** to run test cases in multiple browsers and platforms.
* Created Java based scripts for **Selenium Web Driver** with **JUnit** as automation frame work.
* Worked on acceptance testing using **Selenium WebDriver**.
* Developed test automation frameworks such as **Data Driven, Keyword Driven and Hybrid** using Selenium WebDriver, TestNG and Maven.
* Involved in the Data migration and validation tasks
* Created automation scripts in **SoapUI tool Groovy Script** for web services testing and to test **SOA** based architecture application to test **SOAP services** and **REST API**.
* Performed testing on **REST** based web services testing using **SoapUI, POSTMAN**.
* **SoapUI-Pro** Application was used to do **black box testing** to call interfaces on SOAP based and RESTful Web Services.
* Executed **SoapUI** for preliminary **smoke-test** to validate the build.
* Used **Selenium WebDriver** for writing test scripts for regression test coverage.
* Extended **TestNG** framework by adding some helper classes and methods.
* Involved in creating automation test suites for progression & regression testing in **SoapUI.**
* Validated request and response **XML/ JSON**. Added assertions to validate the XML/ JSON in **Web services SOAP** and **RESTFUL service.**
* Performed **GET** and **POST** requests in Ajax of XML, JSON using **JavaScript, JQuery**.
* Analyzed the **Log files** to verify the processes for debugging and or test data verification purposes.
* Contributed to the Continuous Integration pipeline running component builds, creating and running Deployment jobs on individual stages on **Jenkins**, and running automated and manual functional tests.
* Used **Firebug/Fire Path** Add-on tools to identify the Object's id, Name, Xpath, link in the application. Used **ALM** and **JIRA** for tracking, analyzing and documenting defects.
* Tested compatibility of application for dynamic and static content under various cross browsers using **HTML IDs** and **XPath in Selenium**.
* Prepared user documentation with screenshots for **UAT (User Acceptance testing)**.
* Involved in setting up continuous integration system using **Jenkins** and working knowledge with cloud based code repository system like **GitHub**.
* Conducted **backend testing** using SQL queries to validate data for database.
* Preparation of Daily and Weekly status reports. Attending weekly defect report meetings and presented progress updates.

**Environment: ­-**Java, Java Script, Selenium WebDriver, Selenium Grid, REST, TestNG, Maven, Jenkins, SOAPUI, JQuery, Eclipse, Firebug, Firepath, Postman, XML, DOM, GIT, Jira, ALM, Internet Explorer, Chrome, Firefox, SQL and Windows.

**Role: QA Analyst**

**Client:   American Health Holdings Jan 2014 – Aug 2014**

**Location: Stockton, California**

**Roles & Responsibilities:-**

* Involved in testing of application using the **Scrum (Agile**) methodology.
* Used **Firebug** and **Fire path** for identifying the web elements uniquely in the web page.
* Developed automation test scripts using **Selenium WebDriver** and **Java**.
* Reviewed Functional Requirement Specifications and created test cases based on test scenarios drawn from functional requirements using Test Director.
* Developed and executed SQL queries for **backend testing**.
* Responsible for **smoke testing**, **UAT testing**.
* Implemented **Core Java and Object-Oriented concepts.**
* Handled the special **mouse events** and selected the options from the **drop-down** menu using Selenium Actions builder, mouse hover and **synchronization**.
* Generated Reports and Documentation.
* Tested the various **Service Oriented Architectures (SOA)** spanning across various web services using **SOAP and WSDL** across various applications using **SOAPUI**.
* Used parameters, data provider **TestNG** annotations to perform regression and functional testing.
* Used **Actions and Action** classes for performing **Keyboard and Mouse** events.
* Designed **data-driven testing framework** in **Selenium** and captured data dynamically from web controls.
* Used Hybrid which is a combination of both Keyword and **Data Driven Framework** to extract data from external Excel files using **Apache POI** and load into the variables in the scripted code.
* Interacted with business people and developers to exchange the updated status and interacted with developers to resolve technical issues.
* Implemented **Page Factory Model** in the **data-driven framework.**
* Designed and Developed test automation Artifacts (scripts, functions, scenarios, processes) for simple to complex automated testing situations using various tools **like Selenium, TestNG** and **XPath**.
* Developed Selenium scripts to get the data from the webpage by using the methods like **getUrl, getTitle, getAttribute.**
* Reported daily status of data creation and sent weekly status **reports**.
* Execution of QA and Testing processes, and plans, bug documentation and bug tracking and used Requirement management and bug tracking testing tools like **Quality Center**.
* Used **SVN** as a source repository system to share code within the office as well as team overseas.
* Involved in writing Test plan and performing Manual Testing.
* Executed the manual testing process of **Positive Testing and Negative Testing, Integration Testing.**

**Environment:** Selenium WebDriver, Eclipse, Java, TestNG, tCSS, Cucumber, SQL, Html, MS-Excel, Jenkins, SVN, Log4j.

**Role: QA Tester (Automation)**

**Client:  Wipro Technologies LTD AUG 2012 - Dec 2013**

**Location: Hyderabad, India**

**Roles & Responsibilities:-**

* Prepared various reports based on different stages of Testing.
* Involved in identifying the manual test cases for automation.
* Involved in preparing Test data based on business functions.
* Executing Test Scripts in **Selenium WebDriver** for **Regression Testing** and analyzing the Test results.
* Involved in writing the test cases test data and test scripts.
* Developed project in Eclipse IDE.
* Involved in updating and executing test cases per requirements.
* Identified the Test Cases and documented them in **Quality Center**.
* Updated **Reports and dashboards** to display the status of test coverage including the number of test cases passing, failing or pending.
* Involved in Managerial Meetings and attended various conference calls at different levels from QA, Developers and Clients.
* Written **SQL Queries** on Oracle database.
* Worked as a **Quality Center** support to ensure efficient services to the team and the client.
* Entered defect in **Quality Center** and conduct regression testing after fixing the defect.
* Performed data driven testing by using **JDBC** as a data source & configured **SQL** queries to fetch data from the Oracle database.
* Proficient in Functional Testing Tool Quick Test Professional (**QTP/UFT**) and the various **frameworks** in QTP/UFT.
* Worked on Functional testing, Smoke Testing, Adhoc Testing, Regression Testing, Component Testing and Browser Compatibility testing. As a Regression POC, I have maintained the Regression scripts for the whole application by updating the scripts, adding new scripts and executing the scripts.
* Involved across the full test lifecycle including planning, design, execution and reporting of tests, using appropriate testing tools and techniques and conforming to agreed processes.
* Performed all phases of end-to-end testing which includes **Acceptance testing, Functionality testing**, and **Smoke testing** of the Application, its interfaces and Client-Server Utilities.
* Followed Unified Modeling Language (UML) methodology using Requisite Pro and Rational Rose to create/maintain: Use Cases, Activity Diagrams, Sequence Diagrams, and Collaboration Diagrams.
* Provided daily and weekly reports to project manager and team leaders.

**Environment: -** Selenium WebDriver, Jenkins, Maven, TestNG, Quality Center, Firepath, Firebug, Eclipse, XPATH, Java, HTML, CSS, HP QTP, MS SQL Server, and Windows.

**Role: Software Tester (Manual Testing)**

**Client: Aurobindo Pharma JUNE 2011 - JULY 2012**

**Location: Hyderabad, India**

**Roles & Responsibilities**:-

* Involved in the full testing Life-Cycle from analyzing business requirements to testing phase
* Well-versed with all stages of Software Development Life Cycle **(SDLC)** and Software Testing Life Cycle **(STLC)**
* Developed Test Strategies, **Test plans**, **Test Cases,** steps, scenarios, **RTM** (Requirements Traceability Matrix), execution and Summary reports
* Conducted the Functional, System, Integration, Regression, UAT and Sanity testing.
* Tracked all the issues using HP Quality Center and made sure that all the issues were fixed and resolved before the application went into production.
* Identified defects and interacted with developers to resolve them and provided full support to the Test team.
* Coordinated defects with **Business/SMEs/Development** team for clarifications, testing status and defect tracking.
* Prepared Status Summary Reports with details of executed, passed and failed test cases. Also involved in ST Entry and Exit criteria reports.
* Helped the Business Users in performing the UAT by providing the test cases, issue log templates and providing the test data.
* Prepared Testing data table using **SQL Queries** for validating the update on database upon execution.
* Escalated issues, risks, blocking defects, design questions/clarifications in person to all relevant parties immediately and constantly work on resolution.
* Sent testing progress report and detail status to the Resource Manager and Project Manager on regular basis.
* Participated in regular project status meetings related to testing phases.

**Environment:** HP-Quality Center, SQL, SQL Server, Windows XP, Internet Explorer, Chrome, MS office.