**Arbaz**

 **SDET QA Engineer**

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**Professional Summary:**

**Around 8+** years of IT experience as a **Senior QA Automation Engineer** in Software Testing, proficient in Client/Server and Web based applications. Expert in **Automation Testing**(**Selenium WebDriver**), **KOTLIN**, **BDD Cucumber, API Testing, Mobile Testing, Protractor Angular Testing** and **Manual** Testing. Experience in performing clerical and administrative tasks and providing excellent customer support. Proficient in software issues identification and documentation.

* Proficient in using **Selenium** tool for web application and automating regression test cases using **Selenium WebDriver.**
* Expertise in different phases of **Software Testing Life Cycle (STLC)** and **Software Development Life Cycle (SDLC)** including methodologies like **Agile** and **Waterfall**.
* Actively involved in **Scrum Methodology** for the project from requirements through delivery of the project.
* Hands - on experience in the preparation of **Test Plans**, **Test Cases**, **Test Reports**, **Requirement Traceability Matrix**.
* Strong Experience in **Java** Programming, **Selenium WebDriver** and **TestNG**.
* Writing Test cases using **Element locators**, **WebDriver methods** and Java programming features.
* Expertise in performing **Functional** Testing, **Integration** Testing and **Regression** testing.
* Expertise in **Protractor** Automation testing for both **Angular** and **Non-Angular** pages.
* Implemented **Jasmine** as a testing framework for Protractor.
* Knowledge And understating of Kotlin & Swift.
* Ability to perform Compatibility testing with different browsers like **Firefox, Chrome, IE, Safari** and with different operating systems like **Windows, Android, Mac OS**.
* Good experience in mobile testing using Appium in both IOS and Android applications using simulator and emulator.
* Experience working on **Page Object Model**with **Page Factory**in **Selenium**.
* Experience in using **Selenium Grid for Cross-Browser and Compatibility Testing** to test whether the web applications are working as desired in different browsers and environments.
* Developed Test Scripts to implement Features, Test Scenarios and Step-Definition for**BDD (Behavioral Driven Development)**using**Cucumber (Gherkins format).**
* Expertise in Core Java and Object-Oriented Concepts (Inheritance, Polymorphism and Collections).
* Good hands-on experience on various test management tools like **Jira, HP-ALM and Quality Centre.**
* Hands-on experience with all levels of testing viz., **Integration, Regression, Smoke, Sanity, Functional Testing, System testing and UAT.**
* Experience with automation tools and executing test scripts using Quick Test Professional (QTP), Selenium WebDriver, and **FitNesse** for **Appian**.
* Good Exposure to **Testing Life Cycle** and **Bug Life Cycle**.
* Experience in developing **Selenium automation framework** using **TestNG** and developing **Maven targets** to execute automation suites.
* Experienced in Log4j for logging and debugging.
* Experienced in GitHub and CVS version control.
* Flexible to adopt and willing to learn new tools & technologies. Experienced in working individually and team environment.
* Excellent Communication skills along with verbal and written. Excellent analytical and logical skills.
* Versatile team player with good communication and interpersonal skills.
* Experience in doing **automation** testing for Mobile application using **Appium** tool and Perfecto mobile software, which involves **IOS** and **ANDROID** platforms.
* Performed **functional testing**of **web services** using **SOAPUI**and **RESTful web services.**Added**assertions**to validate the **XML** or **WSDL** file.
* Maintained the**Selenium & JAVA automation code and resources in configuration management tools like GitHub/SVN** repository over the time for improvements and new features.
* Responsible for developing the scripts to support **Jenkins** (Continuous Integration) of the scripts with the build server.
* Performed Database Testing with **SQL** and automated Data Validations using **JDBC**.
* Conduct **test case reviews**, provide project related status **reporting**, coordinate all release planning and lead the testing team through all **project phases.**

**Technical Skills:**

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| --- | --- |
| Test Approaches | **Waterfall, Agile/Scrum, SDLC, STLC** |
| Operating System | **MAC, Windows XP/7/8/10, LINUX.** |
| Defect Management Tools | **JIRA, HP Quality Center.** |
| Database | **MY SQL, Oracle** |
| Web Technologies | **HTML,** **XML, JSON, Java, JavaScript, C#** |
| Automation Tools | **Selenium, Protractor, Jenkins** |
| Testing Tools | **Selenium WebDriver, Appium, TestNG, Selenium IDE, Selenium RC, Selenium Grid, Cucumber, SoapUI, ALM, Postman** |
| Markup Languages | **HTML, XML, XPath, CSS Selector** |
| Browsers | **Internet Explorer, Mozilla Firefox, Google, Chrome, Safari.** |
| Languages | **C, C++, JAVA,** **Kotlin.** |
| MS Office Tools | **Outlook, Word, Excel, PowerPoint, MS Access.** |

**Work Experience:**

**SDET Automation Engineer**

**AT&T – Plano, TX Dec’22 - Till date**

**Responsibilities:**

* Analyzing the Business Requirement Document, High level and Low-level design documents.
* Create and review - Test scenarios, Test suite preparation, Test Data creation, Test case execution and Defect logging. SADF
* Conducted Functional testing, Regression Testing using **selenium** with Data-driven framework and Key- Word driven framework.
* Created automation **test scripts** using data driven framework and Page Factory model to test the web applications using **Selenium WebDriver** with **JAVA** and **Maven**.
* Expertise in using **Selenium** Grid to run test scripts on different platforms and against different browsers in parallel to save time.
* Used **Jenkins** to execute the test scripts periodically on **Selenium** Grid for different platforms like desktop, tablet and mobile.
* Performed Cross browser testing and parallel testing on Chrome, Firefox and Safari using **TestNG** and **Maven** on **Selenium grid**.
* 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 sanity and regression testing.
* Created automation scripts using tools such as **Selenium** with Java and **FitNesse** for **Appian** for regression test the application thoroughly.
* Integrated **Jenkins** with version controller (GIT) and scheduled builds to run automatically during a build release by invoking predefined **Maven** commands.
* DesigninganddevelopingautomationtestsframeworkandscriptsforbackendmicroserviceAPI’susing Kotlin, Java, Junit and TestNG framework.
* Developed new automation frameworks (WEB | API) based on Kotlin according to requirements.
* Started to develop new native automation frameworks based on SWIFT (iOS) and Kotlin (Android)
* I train testers to work in new frameworks and help them switch from Java to Kotlin.
* Implemented test automation scripts for mobile testing using Appium for Android and iOS applications.
* Used Appium to facilitate mobile testing by creating mobile Driver class with the required Mobile capabilities.
* Used **Linux/Unix** commands for using **GitHub** through cmd.
* Involved in developing **BDD** Frame work from Scratch.
* Involved in the usage of BDD framework to develop **Cucumber** Step Definitions, Scenarios and Features using acceptance criteria.
* Administered and Engineered Jenkins for managing weekly Build, Test, and Deploy chain, **SVN/GIT** with Dev./Test/Prod Branching Model for weekly releases.
* Handled **Selenium** Synchronization problems using Explicit & Implicit waits during regression testing.
* Expertise in **mobile automation** using **Appium, selenium, java** in both Android and IOS.
* Experience in writing complex XPATH using following and preceding and also using functions like contains and not contains.
* Executed test cases in real device for both mobile app and mobile website.
* Thorough experience in implementing Automation **tools Selenium WebDriver, JUnit, TestNG, Eclipse, Git/GitHub, Jenkins, SOAP UI and REST** with **POSTMAN**.
* Worked with **AWS** cloud machines to setup **selenium GRID** and also **Jenkins** server on HUB machine.
* Used **Cucumber** to automate services using **Rest API**.
* Used runner classes in **Cucumber** to generate step definition and also used tags to run different kinds of test suites like smoke, health check and regression.
* Created profiles in maven to launch specific **TestNG** suite from Jenkins job.
* Implemented **SOAP UI** tool to test **SOAP** based architecture application to test **SOAP services** and **RESTAPI**.
* Used the **Rest Assured** java library to automate Restful Web services.
* Involved closely with developers in Development of UI modules using **HTML, JSP, JavaScript and CSS**.
* Wrote object-oriented **JavaScript** for transparent presentation of both client- and server-side validation.
* Used the Groovy language to verify Web services through **SOAP UI**.
* Shared Daily Status Reports with all the team members, Team Leads, Managers.

**Environment:** Selenium Web driver, Grid, GitHub, XML, HTML, Jenkins, MAVEN, CSS, GUI, BDD framework, Cucumber, Agile, SQL, MSSQL, MYSQL, Appium, JAVA, JavaScript, SDK, emulator, Protractor.

**SDET QA Engineer**

 **Medtronic - MN Aug’20 – Nov’22**

**Responsibilities:**

* Created various documents such as Test Plan, Test Scenario and Test Schedules document, Defect Management Workflow Diagram, Test Case, Test Script, and User Manual Document.
* Started to transfer an app from Java to Kotlin
* Edited Android and iOS apps and added new IDs for elements using Java/Kotlin and Swift.
* Created an automation framework for Android and iOS apps and Backend (REST API) based on Java/Kotlin.
* Developed automation frameworks for several projects based on Kotlin and was testing API.
* Served as a liaison between business, application team and technical team
* Reviewed the requirements and use case diagrams to write Test Cases/ Test plan that would test various scenarios.
* Create test plan and test cases for manual and automated testing from business requirements to match the project’s initiatives.
* Used Keyword driven, Page Object Model, Data Driven using CSV, CSS Selectors as a part of Framework.
* Performed **ETL testing** and precise documentation.
* Performed testing of schemas in different environments like staging and ODS.
* Helped Automation engineers in writing the code and solved technical issues
* Experience in parallel testing using **Selenium Web Driver**.
* Worked on Agile (Scrum) project methodology.
* Perform **Selenium automation** using **Selenium Web Driver** and **Selenium IDE**
* Test the web modules flow and improve the script performance using **Selenium** find elements.
* Tested Service Oriented Architecture application using **Soap UI**.
* Served as functional SME for DB2 migration project providing recommendations for improvement and technical expertise alongside project life cycle resulting in the delivery of projects on time.
* Performed Integration and Regression tests to check compatibility of new functionality with the existing functionalities of the application.
* Extensively used **Selenium APIs** such as taking a Screenshot for Capturing Failed test cases, select for selecting multiple values from list, Action for various key and mouse event, by with different Locators (XPath, CSS, id, Link text).
* Wrote **SQL** queries extensively, queried database and generated test reports.
* Automated mobile application by using emulators and simulators using **API**.
* Knowledge on the Android application development
* Performed Defect Tracking & Management in Rally.
* Supported production install and served for project issues in the capacity of a Lead Analyst.
* Involved in Unit Testing the code and provided the feedback to the developers.

**Environment**: JIRA, Confluence, Java/J2EE, Junit, Fiddler, Selenium WebDriver, DB2, Windows XP, MS Access and MS Excel, JQuery.

**SDET QA Engineer**

**DeVero – San Jose CA Jan’18 – Jul’20**

**Responsibilities:**

* Created various documents such as Test Plan, Test Scenario and Test Schedules document, Defect Management Workflow Diagram, Test Case, Test Script, and User Manual Document.
* Served as a liaison between business, application team and technical team
* Reviewed the requirements and use case diagrams to write Test Cases/ Test plan that would test various scenarios.
* Create test plan and test cases for manual and automated testing from business requirements to match the project’s initiatives.
* Used Keyword driven, Page Object Model, Data Driven using CSV, CSS Selectors as a part of Framework.
* Performed **ETL testing** and precise documentation.
* Performed testing of schemas in different environments like staging and ODS.
* Helped Automation engineers in writing the code and solved technical issues
* Experience in parallel testing using **Selenium Web Driver**.
* Worked on Agile (Scrum) project methodology.
* Perform **Selenium automation** using **Selenium Web Driver** and **Selenium IDE**
* Test the web modules flow and improve the script performance using **Selenium** find elements.
* Tested Service Oriented Architecture application using **Soap UI**.
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* Wrote **SQL** queries extensively, queried database and generated test reports.
* Automated mobile application by using emulators and simulators using **API**.
* Knowledge on the Android application development
* Performed Defect Tracking & Management in Rally.
* Supported production install and served for project issues in the capacity of a Lead Analyst.
* Involved in Unit Testing the code and provided the feedback to the developers.

**Environment**: JIRA, Confluence, Java/J2EE, Junit, Fiddler, Selenium WebDriver, DB2, Windows XP, MS Access and MS Excel, JQuery.

**Selenium/Automation Engineer**

**The Hanover Insurance Group - Worcester, MA Oct’15 – Dec’17**

**Responsibilities:**

* Performed Business Requirement Analysis by thoroughly understanding Project Design Document and Business Requirement Document.
* Designed and developed Automation framework both Data driven and Hybrid using **Selenium WebDriver** in Java and performing unit testing by using **TestNG.**
* Developed/Updated System **Test Plan, Test scenarios** and **Test Scripts** as per the requirements and **Change Request** Document.
* Developed Selenium Automation framework – Created a hybrid framework (Keyword and Data driven) on **Selenium using TestNG.**
* **Converted** QTP scripts to **Selenium WebDriver** scripts. Used **Java** language and **TestNG** framework for scripting. Used **Maven** for building the WebDriver project.
* Developed and executed **White box test cases** of the **Java API** using **TestNG** framework & Eclipse.
* Extended **Testing** framework by adding some helper classes and methods.
* Identified test cases to automate. Automate those test cases using **Selenium WebDriver and Java (Eclipse IDE).**
* Ported existing QTP automation scripts into **TestNG** and Selenium test cases.
* Configured **Selenium WebDriver, TestNG, Maven tool** and created selenium automation scripts in java.
* Involved in the Continuous Integration of the automation framework with **Jenkins.**
* Developed Selenium test scripts for identified test cases by using data driven, keyboard driven and hybrid framework.
* Extensively used **XPATH,** Regular expression and classes to perform UI actions. Exported output/reports for all automated testing results.
* Used **XPath** and **DOM** to work with dynamic and static objects in **Selenium**.
* Involved in **SOAP & REST** based web services testing using **SOAP UIPRO** web services testing tool.
* Performed functional testing of **SOAP and RESTFULL Web Services using SOAP UI Tool.**
* Created test planning and participated in execution for **API Testing** using **SOAP UI**.
* Used **Selenium WebDriver** used to test search results of Meta search engine.
* Performed Back end testing by writing **SQL statements like Join, Inner Joins, and Outer joins** and Self Joins used **Oracle and SQL Developer**.
* Participated in bug walk meetings with development team, business team and project managers for defect triage and provide analysis on the nature of the defect.
* Coordinated tasks with onshore/offshore resources.
* Worked in the form of sprint team with business analysts and developers in agile methodology

**Environment:** J2EE, Selenium (IDE WebDriver), selenium (2.42.0), TestNG, Jenkins (2.3), Maven, SOAP UI, Eclipse, XPATH, DOM, HTML, JavaScript, agile, IBM Rational Clear quest, HP Quality Center, MS Excel, Mozilla Firefox.

**System QA Engineer**

**Tech soft Technologies – Hyderabad, India Jun’14 – Sep’15**

**Responsibilities:**

* Served as a key member to test the wealth management application.
* Reviewed requirements, specifications and technical design documents and created detailed and well-structured test plans and test cases.
* Hands on experience with functional, smoke and regression testing.
* Involved in **UAT testing**, SIT Testing, Regression Testing and Functional testing.
* Executed all the test cases and reported defects and tracked each to closure using HP QC tool.
* Used Quality Center to store all testing results, metrics, created Test Cases, and Reporting.
* Interact with Developers and Business Analysts to perform various types of testing throughout Software Testing Life Cycle (STLC) and Bug Life Cycle (BLC).
* Flexibly worked with other modules and internal teams and improved domain knowledge.
* Actively participated in team discussions and meetings.
* Prepared meeting notes on daily execution/highlight of the project and send out the reports to managements.
* As part of Process Improvement, contributed in building test execution and defect tracking system of the application which can be accessed by each team member and specially the client and higher management with a single click rather than logging in the QC tools and check the status manually which ultimately helped in saving a lot of time and manual efforts.

**Environment:** Windows7, HP ALM.s