**Wajahad Ali**

QA Automation Engineer

**Professional Summary:**

* Working in IT industry for over 6 years in Software Testing with both **Automation and Manual Testing** on Client/Server, Mobile and Web based applications.
* In depth knowledge in Software Development Life Cycle (SDLC), Software Testing Lifecycle (STLC), Defect Life Cycle, and working experience in different methodologies like **Waterfall, Agile, Scrum, TDD**.
* Expertise in performing various modes of testing including **Functional Testing, Integration Testing, Backend Testing, Regression Testing, Load Testing, Performance testing and Compatibility tests**.
* Experience in using Functional Testing tools namely **Selenium** for testing Web applications in both Java and C#, Test IO for functional testing on various devices, **HP QualityTest Professional (QTP/UFT)** for testing in functional and regression modes of testing.
* **Cosmos DB** has SSD backed storage with low-latency order-of-millisecond response times.
* **Azure Cosmos DB's** support for consistency levels like eventual, consistent prefix, session, and bounded-staleness allows for full flexibility and low cost-to-performance ratio. No database service offers as much flexibility as Azure Cosmos DB in levels consistency.
* Azure Cosmos DB has a flexible data-friendly pricing model that meters storage and throughput independently.
* Azure Cosmos DB's reserved throughput model allows you to think in terms of number of reads/**writesinstead of CPU/memory/IOPs** of the underlying hardware.
* Experience on working **SOA, XML** and used Testing tools for web services like **SOAPUI, API testing.**
* Expertise in using complete set of selenium components namely **Selenium RC (Remote Control)**, **Selenium IDE, Selenium WebDriver, Selenium Grid with Java.**
* Good knowledge on Object Oriented Programming (OOP) concept. Extensively used **Java** and **Ruby** for test case automation.
* Expert in writing test cases in **Selenese** in popular programming languages including Java, C#, Python and running against modern web browsers on multiple platforms **Windows, Linux and macOS**.
* Hands on experience in using **Protractor** for applications built on Angular.
* Good knowledge in Performance Testing using **LoadRunner** for testing system behavior and performance under load, **JMeter** for measuring system performance.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and Chef.
* Implemented AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, Lambda, Route53, CloudFormation, Auto Scaling groups. Strengthening security by implementing and maintaining Network Address Translation in company's network
* Built a Full-Service Catalog System which has a full workflow using Elasticsearch, Logstash, Kibana, Kinesis, CloudWatch.
* Experience in mobile testing for both **Android** and **iOS device** applications.
* Worked on **mobile testing** in windows, mac platforms.
* Good knowledge on mobile testing of **Native, Hybrid and Web applications.**
* Hands on experience in using **HP ALM/Quality Center**, **Jira** for test management, bug & issue tracking in Application Life Cycle Management.
* Working experience in **Cucumber** to run automated acceptance tests written in **behavior-driven development (BDD)** style.
* Experience in using Defect Management tools like **Bugzilla** for web-based bug tracking in Mozilla and mantis for bug tracking.
* Hands on experience in **Junit, TestNG** framework for **Unit testing, Maven** and **Ant** for Project Building tool, **Jenkins/Hudson** for continuous Integration.
* Expertise in **API Testing using SOAPUI and Postman**.
* Good knowledge in **OOPS (Object Oriented Programming System)** Concepts.
* Familiar with Linux/UNIX commands to perform testing on Linux/Unix environments.
* Experience in Database testing by using **Oracle, MS SQL Server, SQL, T-SQL,** and **PL/SQL Queries**.
* Knowledge on using **Docker** to integrate with selenium for automation.

**TECHNICAL SKILLS:**

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| **Test Approaches** | Waterfall, Agile/Scrum, SDLC, STLC, Bug life Cycle |
| **Testing Tools** | Selenium WebDriver, QTP, JMeter, HP Load Runner, SoapUI, Postman, Protractor, Appium (Android & iOS Testing), Manual Testing |
| **Frameworks** | Page Object Model, Keyword Driven, Data Driven, BDD, Cucumber, Gherkin, TestNG, Junit, log4j |
| **Build and Integration tools** | Maven, Ant, Jenkins |
| **Programming Languages** | Java, C#, .Net, Ruby |
| **Database** | MySQL, SQL Server, Oracle. |
| **Defect Tracking Tools** | HP ALM, Quality Center, Jira, Team Foundation Server (TFS) |
| **Scripting Languages** | JavaScript, VB Script, Groovy Script |
| **Markup Languages** | HTML, XML, JSON, XCode, XSD, XSL, XSLT, JSP, AJAX, CSS |
| **Operating System** | Windows, Unix, Linux, Mac, iOS, Android |
| **Browsers** | Firefox, Internet Explorer, Safari, Google Chrome, Opera |
| **Other Utilities** | Eclipse, Notepad++, Microsoft Visual Studio, IntelliJ, SQL, GIT, SVN, Bitbucket, TFS, Sauce Labs. |
| **Types of testing** | Manual Testing, UI Testing, Integration Testing, Regression Testing, Black Box Testing, White Box Testing, Functional Testing, Performance, Smoke, Sanity, API and Unit testing. |
| **MS Office Tools** | MS Project, Outlook, Excel, PowerPoint, MS Access, Word |

**Work Experience:**

**Client: IBM- Research Triangle Park, NC Jan 2019 –Till Date**

**Role: SDET - Automation Engineer**

**Description:** IBM is an American multinational information technology company headquartered in Armonk, New York, with operations in over 170 countries. IBM produces and sells computer hardware, middleware and software, and provides hosting and consulting services in areas ranging from mainframe computers to nanotechnology.

**Responsibilities:**

* Involved in analyzing Business Requirement Documents and Technical Specification document and developed test plan and test cases for testing the application. Automated highly transactional web application using **Selenium Web Driver**.
* Creating **ALM** requirements and tagging them with Business Middleware QA test cases.
* Created **RTM** and test cases using Quality Center (**ALM**) for **Manual** testing.
* Created & Maintained Automation Selenium Automation Scripts for the Scrum Stories.
* Developed QA processes automation test scripts using Python/Selenium to test Web based user interfaces for different type of browsers.
* Develop, execute, and maintain test designs, Develop and maintain test data as necessary to support testing efforts.
* The entire Ruby scripting done using Cucumber framework Wrote and executed SQL queries to verify the data updates to various tables and ensure data integrity.
* Written the test case based on the mapping sheets & Business requirements. Verification Data value with Legacy Siebel application to Sales force application.
* Prepared the test data by using SQL queries.
* Validating all GUI alignment and column level data in SFDC application. Done the products like half & full circuit complex.
* Used Data Loader to insert, update, and bulk import or export of data from salesforce.com objects.
* Tested 1Mobile App, Salesforce custom objects, custom fields, page layouts, custom tabs, reports and various component as per application requirement.
* Creating and testing salefore CRM workflows, Apporval processes, Validation rules and sharing security rules.
* Used **Maven** for building the **Web Driver** project.
* Tested compatibility of application for dynamic and static content under various cross browsers using **HTML** ids and **XPATH** in Selenium.
* Developed automation script for Mobile Native applications (**IOS, Android**) using **Appium, Java**.
* Used emulators and **IOS** simulators to perform the Mobile Testing.
* Integrated with Continuous Integration tools **Jenkins** for running test on regular basis automatically.
* Also, responsible for converting automation scripts one framework using Selenium Web Driver, **Java** and **TestNG/Junit and Rest-Assured Hamcrest**.
* Assisted Manager by providing automation strategies, Selenium/**Cucumber** Automation and **JIRA** reports.
* Created and executed **CA LISA & SOAP UI Scripts** for the Web Services testing.
* Executed Test cases for both manual and automation to verify actual results against expected results.
* Experience in using Jenkins as a Continuous Integration server to configure with **GitHub** and **Maven**.
* Executed the test plans on web and mobile (Apple & Android) as per requirements using **Appium** tool.
* Implemented simulator for Mobile App Testing in Android Platform using **Appium**.
* Experienced in load and performance testing tool **JMeter**.
* Developed **BDD** tests using Cucumber by writing behaviors and step definitions. Developed required Selenium support code in **JAVA** for Cucumber.
* Expertise in Design and Development of User Interfaces, User Controls and Custom Controls using **ASP.NET** and **C#.NET**.
* Implemented Mobile automation frameworks using **Appium.**
* Used **jQuery**, **ASP.NET**, **AJAX** toolkit controls and CSS to enhance the performance and richness to the user interface.
* Developed automated scripts for continuous regression testing and reduced manual testing using selenium, TestNG, Maven and Postman.
* Used Postman to retrieve the data from URI and check the validity, authentication using verbs GET & POST.
* Involved in testing Web services (**SOAP and REST**) and **XML** with tool called **SOAPUI,** for the local **WSDL**/with **URL** and created Test cases, run them, do load testing, security testing.
* Worked in Agile - Behavior Driven Development (**BDD**) model.
* Good knowledge on **Mockito framework** for performing Unit testing helped developers in Unit testing in test driven development.
* Written **gherkin** and **Ruby** scripting automation test scripts to execute in **Cucumber.**
* Worked on Agile (**SCRUM**) Methodology and used **JIRA** for defect tracking.

**Environment: Java, C#, Python, Asp.net, Manual, ALM, CA Lisa, Gherkin, Cucumber, Maven 3.1.1, Eclipse, GIT, JIRA, Appium, Protractor, Mockito, Soap UI, Jenkins, TestNG, Junit, Ruby, Cucumber, Postman, Agile (SCRUM).**

**Client: ACT Inc, Iowa City, IA**  **Sept 2017 – Dec 2018**

**Role: QA Manual Test Engineer**

**Description:** Product switch is Web-based application. This application is used by Wells Fargo agents. We deal with modules like Address Verification, address change, Personal information, Sales, offers in front office. We deal with delete user, survey and manage user in back office. This application is configured in entire architecture and provides detailed information of account holders and agents can easily resolve the customer queries using this application.

**Responsibilities:**

* Analyzed the system requirements and developed detailed test plans and test cases and provided the documentation, collaborated with product management teams in an agile environment to develop a comprehensive set of **tests for web-based** applications.
* Designed Automation Test cases using Selenium **Web Driver, Java, Test NG, and Maven**.
* Automated web services using **REST API** and **Java**. Used Selenium Grid to run test cases in multiple browsers and Platforms.
* Involved in testing of application using the **Scrum (Agile)** methodology. Proficient in handling **SOAP** and **REST** calls using b.
* Involved in integration testing of **Informatica** mappings, **worklets**, Workflows and Unit testing using **UTF**. Implemented a Continuous Delivery pipeline with b, Jenkins and **GitHub** and **AWS**.
* Knowledge of Web Development technologies in general, **including HTML, CSS, JavaScript, AJAX, and XML.**
* Developed automation framework from scratch using **Java, TestNG, Maven and POM.**
* Automating the Test Scripts are planned, prepared and upgraded using **HP Quality Center**.
* Extensive experience in using **Jmeter** for web services performance testing in **AWS** cloud environment.
* Verified the data in database through **SQL** statements and executed stored procedures and triggers.
* Created profiles in maven to launch specific **TestNG** suite from **Jenkins** job. Involved in various meetings with Business analysts and Developers.
* Developed the features, scenarios, step definitions for BDD (Behavior Driven Development) and TDD (Test Driven Development) using Cucumber, Gherkin and ruby.
* Mobile automation of android and windows app using **Appium** and **Selenium** **Webdriver**.
* Supported the extraction, transformation and load process **(ETL)** for a **Data Warehouse** using **Informatica**.
* Created detailed **QA** and **UAT** cases to validate the quality of the application.
* Conducted Functional testing, Regression Testing using selenium **with Data-driven, Key-word Driven framework.**
* Strong experience with **SOA** architecture which include **SOAP** and **Restful** **Web Services Testing**.
* Tested on **Web Services** using **WSDL** and to check the communication between different services.
* Involved in testing of services using **SOAP/REST** services using **SOAP UI, Groovy Script.**
* Developed **BDD** Automation Framework using **Cucumber** tool and developed Feature files which includes **Features, Scenarios and Step Definitions**.
* Designed and documented **REST/HTTP, SOAP API’s,** including **JSON** data formats and **API** Versioning strategy.
* Logged the errors, reported defects, and tracked the defects using **JIRA** until resolution
* Logged and managed defects using **HP ALM Quality Center** defect management tool.
* Responsible for implementing **LoadRunner**, **Performance center**, **JMeter** based infrastructure including
* **Performed Smoke, Functionality, white box testing, Integration, System, Regression** tests based on analysis, understanding of the requirements, non-functional specifications, and end-user needs.

**Environment: Selenium WebDriver, SQL Server, Git, Oracle, SOA testing, JAVA, Gherkin, Agile, Cucumber, JMeter, HP ALM Quality Center, BDD, Appium, End to End Testing, HP Load Runner, Ruby, Jenkins, UAT, SOAP UI, REST, JavaScript, Regression Testing, Maven, Eclipse, XCode, TestNG.**

**Client: Frost Bank, San Antonio, TX Jan 2016 – Aug - 2017**

**Role: QA Automation Engineer**

**Description:** This project is an internet-based application. This project provides secure banking service through the Internet. Personal banking system mainly consists of two modules, one is banking information module and the other one is customer module. Banking module will take care of customer maintenance i.e. account openings, deposits of current, savings bank accounts, salary accounts, fixed deposits, etc.

**Responsibilities:**

* Participated in all the phases of Software Testing Life Cycle (STLC) like Requirements Review, Test documentation, Application testing, and defect reporting.
* Energy & Utilities - Rich domain knowledge and experience in testing/business analysis of Customer Service Applications (Web, Mobile, IVR), Billing, Collections, Offering, Smart Metering, Outage Management, Meter to Cash
* Reviewing Business/Functional requirements, Technical Specifications and Screen flows of the application
* Experience in IVR ( Interactive Voice Response) testing with CYARA Automation , Replay and Virtual CTIOS agent
* Responsible for Creation and Execution of Automated test script using CYARA Automation tool.
* Analysis of Business and Requirement Specification and formulation of **Test Plans and Test Cases** in **Quality Center** for the **Functional, Integration, end-to-end, Usability and smoke testing.**
* Suggested improvements in test process by gathering and analyzing data.
* Involved in complete **QA Life Cycles**.
* Managed defect reporting and tracking using **Quality Center.**
* **Created, managed and executed Test Cases** using Quality Center.
* **Prepared Test Cases** with the complete description of requirements, uploaded test cases and report results into Quality Center.
* Performed **Manual Testing** to check flow of the application.
* **Created Test Execution Matrices** during the test cycle.
* Participated in **QA Team** meetings and **weekly QA** testing reviews.
* Managed weekly management status reports and coordinated meetings between test team and development team to review defects.
* Reviewed the **Test Basis, designed and documented Test Strategies, Test Plan, Test Cases and executed test cases.**
* Responsible for writing and maintain Selenium **WebDriver** scripts for regression and functional testing using data driven framework.
* Responsible for identifying test cases for manual and **Automation** with **Selenium,** **WebDriver** for **Smoke Test, Functional and Regression Tests.**
* Involved in testing the application utilizing the **Scrum (Agile)** methodology.
* Involved in designing of automation framework to be used in **UI testing** with **Selenium**.
* Used the Firebug to inspect the **XPath** of the web elements and **Eclipse IDE** for **Java development**.
* Involved in execution of all types of system testing including: **Integration, Regression, User Acceptance and Functional testing.**
* Identified, Reported and Tracked Defects using **Quality Center test management tool**.
* Manually tested, verified and validated that the product meets user requirements.
* **Developed and executed SQL queries** to verify the proper insertion, deletion and updates into the Oracle supporting tables and cubes.
* **Performed SOA / web services** testing using **SOAP UI**; wrote adaptors to **test / invoke web services**.

**Environment: Selenium WebDriver, Java, TestNG, Windows 7, CYARA, CTIOS Agile, SQL, DHTML, SOAP UI, XPath, Firebug, Eclipse, Quality Center HTML, Oracle11g,MSWord, MS Excel, UNIX, Windows 7.**

**Client: Single Source Computing. Hyderabad, India Jan 2014 - June 2015**

**Role: Software Test Engineer**

**Description:** The project involved the development of a website through which library services could be easily known and accessed for two different kinds of clients the users and the administrators. The project functionalities involved searching and finding the availability of a book, addition of new books, reviewing due dates and calculation of fee and fines, reserving an already checked out book and other links to other resources.

**Responsibilities:**

* Involved in preparing test plans, test cases and test scripts based on functional specifications/business requirements and performed **Manual as well as automated testing**.
* Conducted Functionality and **GUI (Java Web Interface)** testing manually and recorded scripts for Load Runner.
* Conducted **Data Base** and **Regression testing** using **Win Runner**.
* **Handled Black Box** and **Grey Box Testing** of the modules in the project.
* Conducted **Back-end testing** using Oracle9i and prepared reports by **developing and executing SQL queries.**
* Developed **Positive** **&** **Negative** scenarios for the requirements.
* Developed **test plan, test cases and test scripts in Test Director,** after the requirements are signed off.
* Reviewed and Analyzed business requirement documents, technical requirements and functional specification of various functionalities
* Created detailed **test plan and test cases** from the Business Requirements.
* Created documents detailing the process for each of the **test scripts and the scenarios** each script performs.
* Performed **Regression testing** for the various modules of the application.
* Tested each application against the **QA Test Plan** and communicated findings with the team.
* Supported **UAT** with users along with providing training to end-users.

**Environment: J2EE, LoadRunner, TestDirector, Performance Centre, ClearCase, ClearQuest, Quality Centre 8, Oracle 9i, SQL, PVCS.**