Syeda Nazmun Nahar

Summary:

- Having around 10 years of diverse experience in the IT industry with a focus on **QA Engineer** with **SDET** and testing **Client-Server, Web based** and **Mobile applications.**
- Developed test scripts **in Selenium Automation** using **Selenium WebDriver**, **Selenium Grid, Cypress, JavaScript, JAVA, TestNG, Maven, Jenkins, GitHub.**
- Implemented **Page Object Model**, Data Driven, UI Mapping, Dependency Injection in **Hybrid Automation Framework** with **Java** Coding, Selenium WebDriver, **Maven, TestNG** and **Jenkins,** Apache POI for UI Automation.
- Performed Restful Web Services automation testing using **RESTAssured** along with TestNG, also used Jackson library and Apache POI to parse **JSON Response.**
- Created automated test suites, test cases, test steps for **REST APIs** including writing assertions for **HTTP methods** like GET, PUT, and POST testing using RESTAssured used Java Coding along with TestNG, log4j, and JDBC Connections.
- Validated RestAPI JSON responses on **POSTMAN**, the test cases for Back-End testing of the application.
- Experienced in writing automated tests using **Cypress** for **web applications**, ensuring reliability and efficiency in testing processes.
- Conducted cross-browser testing using **Cypress** to ensure compatibility and consistency across different web browsers, identifying and resolving potential issues early in the development lifecycle.
- Created performance test scripts using **JMeter** to monitor Response Time, throughput, and Performance of the RESTful APIs.
- Worked on Jenkins and **Docker** interactively and integrating together for end-to-end automation of builds and deployment.
- Used **Maven** for building the project Integrated with Continuous Integration tools **Jenkins** (**CICD**).
- Involved in **Agile** meetings, worked as part of the Agile team to test, automate and maintain the UI automation frameworks.
- Performed Cross-Browser and Platform combination testing for different browsers, operating systems, and devices using Sauce Labs.
- Implemented accessibility testing using **Cypress** to ensure compliance with web accessibility standards (e.g., WCAG) and improve usability for users with disabilities.
- Configured Cypress to run tests in headless mode for efficient execution in CI environments.
- Conducted backend testing using **SQL** queries to validate data on the Oracle database.
- Worked on **UNIX** based platforms to analyze and debug application issues.
- Knowledge in Continuous Integration and containerization principles and best practice to multiple product teams, introducing and onboarding them to **Kubernetes**, **Docker**, and Jenkins pipeline.
- Validated the expected outcome with the actual outcomes created and tracked the defects using JIRA.
- Used Python libraries such as Requests, Selenium WebDriver, and Beautiful Soup for API testing, UI testing, and web scraping.
- Developed robust automated test scripts in Python to validate functionality, performance, reliability, and security of software applications.

Education: Masters in Entomology. **Jagannath University of Dhaka Bangladesh, 2009**

TECHNICAL SKILLS:

Testing Tools	: Selenium WebDriver, JUnit/TestNG, POSTMAN, Cypress REST Assured, HttpClient, Appium, JMeter, Cucumber.
Languages	: MYSQL, PL/SQL, Java, JavaScript, Shell Scripting.
Build Tools	: ANT, Maven, and Gradle.
Defect Tracking Tools	: JIRA, Bugzilla.

PROFESSIONAL EXPERIENCE:

Adobe - San Jose, CA   **Jun'2023 - Present**
SDET

Description: In Adobe we were developing a project for Unified Buying platforms. In which firms can buy adobe products on annual terms. They can check the price and add different adobe products which create a Quote. The Quote is converted to order which can be reviewed. They can also check the terms and conditions for those orders once the review is done there will be a digital signature for the confirmation of the order. After that Billing for the adobe products starts on annual terms

Responsibilities:
- Involved in Agile meetings, collaborating as part of the Agile team to test, automate, and maintain UI automation frameworks.
- Developed Selenium test scripts using Selenium WebDriver, Selenium Grid, JAVA, TestNG, Maven, Jenkins, and GitHub.
- Implemented Hybrid Automation Framework with Java coding, Selenium WebDriver, Maven, TestNG, and Jenkins, integrating features like Page Object Model, Data Driven, UI Mapping, and Dependency Injection.
- Performed Restful Web Services automation testing with RESTAssured, including parsing JSON responses with Jackson library and Apache POI.
- Created automated test suites and cases for REST APIs, writing assertions for HTTP methods like GET, PUT, and POST, using Java coding, TestNG, log4j, and JDBC Connections.
- Validated REST API JSON responses on POSTMAN for backend testing.
- Designed and executed various types of testing (functional, integration, end-to-end) across multiple platforms.
- Developed performance test scripts using JMeter to monitor Response Time, throughput, and Performance of RESTful APIs.
- Utilized Jenkins and Docker for end-to-end automation of builds and deployment, integrated with Maven.
- Conducted Cross Browser and Platform combination testing using Sauce Labs.

- Configured Cypress for headless mode execution in CI environments, ensuring efficient testing.
- Used Python libraries such as Requests, Selenium WebDriver, and Beautiful Soup for API testing, UI testing, and web scraping.
- Proficient in Python for test automation, with knowledge of PyTest, unittest, and Robot Framework.
- Implemented accessibility testing with Cypress to comply with web accessibility standards (e.g., WCAG) and enhance usability.
- Conducted backend testing using SQL queries to validate data on Oracle database.
- Analyzed and debugged application issues on UNIX based platforms.
- Shared knowledge of Continuous Integration and containerization principles with multiple product teams, introducing Kubernetes, Docker, and Jenkins pipeline.
- Tracked defects and validated expected outcomes using JIRA.

Environment: Selenium WebDriver, Java, Cypress, JavaScript, RESTAssured, POSTMAN, Maven, TestNG, Jenkins (CICD), JIRA, MYSQL, Docker.

E-Trade – Jersey City, NJ   **Nov'2021 – May'2023**
QA Automation
Description: ETRADE Financial and its subsidiaries provide financial services including brokerage and banking products and services to retail customers. Securities products and services are offered by E*TRADE Securities LLC (Member FINRA/SIPC). Commodity futures and options on futures products and services are offered by E*TRADE Futures LLC (Member NFA). Managed Account Solutions are offered through E*TRADE Capital Management, LLC, a Registered Investment Adviser. Bank products and services are offered by E*TRADE Bank, and RIA custody solutions are offered by E*TRADE Savings Bank, both of which are national federal savings banks (Members FDIC).

Responsibilities:

- Utilized Java - Object Oriented Programming for automation, leveraging various Java-based libraries.
- Implemented Page Object Model, UI Mapping, Data-Driven, Base Classes, Driver Injection, Dynamic Configuration, and Utilities to establish the UI Automation framework.
- Designed and developed a data-driven framework using Selenium WebDriver, TestNG, Maven, and Apache POI.
- Demonstrated proficiency in managing different reporting structures through TestNG listeners and Jenkins configurations.
- Developed utilities for handling WebDriver Waits, Window handles, Screenshots, and Listeners in the UI Automation framework using Java code.
- Employed CSS Selector locators for dynamic elements, crafting advanced automation scripts in Selenium WebDriver.
- Conducted RESTful Web Services automation testing using HttpClient alongside TestNG, with integration of Jackson library for parsing JSON responses.
- Validated and verified REST API JSON/XML responses using various HTTP requests (POST, GET, PUT, DELETE, OPTIONS, PATCH, and HEAD) with payloads in HttpClient.
- Utilized POSTMAN for manual testing of API responses, Status Codes, and Headers.

- Leveraged JMeter for performance testing, analyzing response time and throughput for application transactions.
- Developed scenarios in Cucumber for assigned user stories and integrated them with feature files and step definitions.
- Worked with Continuous build and Integration using Maven, Git, and Jenkins.
- Demonstrated expertise in writing SQL queries for extracting data from Databases to perform Database Testing.
- Integrated Python scripts with cron jobs or scheduled tasks for regular execution.
- Developed data pipelines and automated data processing tasks using Python scripts.
- Possessed knowledge of Appium for mobile automation, with experience in hybrid apps and mobile apps on iOS, iPad, and Android devices
- Conducted validation using simulators, emulators, and real-time devices.

Environment: Selenium WebDriver, TestNG, JMeter, Java, JavaScript, Jenkins, Git, Rally, Maven, Cucumber, HTTPClient, Appium, Agile, SQL.

CIGNA Health Insurance, Southfield, MI   **May'2018 – Oct'2021**
QA Automation
Description: The application provides online information to find doctors, hospitals, estimated cost for care and more. The data is stored in Database from which it is extracted in different forms to the user at the front end, the same process hold good when data is fed to the database by proper validation techniques.

Responsibilities:

- Involved writing Test Cases and Test Scenarios for Functional, System Testing and **GUI** Testing and also assisted in conceptualizing the **Test Plan**.
- Coordinated and participated in requirements review/story elaborations and testing activities to ensure the delivery of high-quality products and incremental value with each iteration.
- Involved in writing Test Cases and Test Scenarios for Functional, System Testing, and GUI Testing, and assisted in conceptualizing the Test Plan.
- Automated selected test cases for Functional Testing of the
- front-end using Selenium WebDriver, maintaining and executing MAVEN build files for running Automated Tests.
- Utilized Selenium locators such as XPath, CSS Selectors, ID locator, and WebDriver to thoroughly test the web application.
- Worked on exporting Junit scripts from Selenium IDE to Eclipse JUnit Test Suites, creating new JUnit test cases, modifying scripts, and writing test suites using Eclipse/Java/JUnit. Executed SOAPUI test scripts to cover the testing of web services integration of applications.
- Created Test Suites and performed parameterization using properties files for SOAPUI test cases, sending SOAP requests to check web services data, and analyzing the response using Groovy Script (Property Transfer).
- Developed performance test scripts using JMeter to monitor response time and performance.
- Conducted data analysis using SQL queries in SQL Plus, extensively working with queries for database integrity and data validation.
- Performed backend testing in the UNIX environment using complex SQL queries.

Environment: Selenium WebDriver, Java, SOAPUI, JMeter, UNIX, Maven, SQL**.**

TalentScreen – Dublin, CA   **Apl'2015 – April'2018**
QA Engineer
Description: TalentScreen is a comprehensive website that helps recruiters in achieving staffing objectives and evaluating job candidates. It contains distinctive modules like Profile, Subjects, Quiz, and Video Tests. Diverse users can access this application. Candidates can take tests and check their knowledge. Recruiters can find profiles for open work positions.

Responsibilities:

- Designed the **Test Scenarios** and **Test Cases** after analyzing the **requirements**.
- Analyzed requirements to design comprehensive Test Scenarios and Test Cases.
- Designed and executed quality Test Plans and Test Cases to ensure Reliability, Accuracy, and Compatibility of the application.
- Conducted various types of testing including Smoke, GUI, Integration, Functional, Regression, Redundancy, Data Integrity, and System Compatibility testing.
- Automated test scenarios using Selenium RC with Java as the programming language and JUnit as the test framework.
- Verified Web Services, validated Request and Response XML, SOAP Calls, and WSDL using SOAPUI tool.
- Wrote and executed Build Verification and Regression test cases using QTP.
- Conducted regression testing using QTP for fixes and managed defects in Quality Center.
- Developed and executed SQL queries to verify database integrity according to business standards.
- Analyzed and debugged application issues on UNIX-based platforms.

Environment: Selenium RC, SOAPUI, JUnit, Java, QTP, QC, UNIX, SQL.