**Anowar Hossain**

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**PROFESSIONAL SUMMARY**

* 6+ years of Quality Assurance experience as QA Automation Engineering in e-commerce, Financial and Healthcare Industries.
* Extensive experience in executing test cases, ad-hoc product testing, reporting bugs and reporting tester status, writing test scripts, test automation using diverse testing tools like Selenium WebDriver, QTP/UFT, & SOAP-UI
* Strong knowledge on Web Service & Hands on experience in validating Web Services using SOAP-UI Pro
* Extensive experience creating and designing Test Strategy Documents, Test Plan, Test Schedule, Test Cases, Test Procedures and Test Scenarios
* Experienced in functional testing, reviewing and analyzing business requirements and writing detailed Test Plans, Test Cases and RTM (Requirement Traceability Matrix)
* Good understanding of SDLC and STLC, Black box testing, Functional testing, Integration testing, and User Acceptance Testing(UAT)
* Used Version One and Jira to track stories in Agile Development Environment
* Quality Assurance and Software Testing experience involving complex client /server and web based applications. Executing test cases, ad-hoc product testing, reporting bugs and reporting tester status, writing test scripts, test automation using diverse testing tools like Selenium WebDriver, QTP/UFT, Quality Center/ALM/JIRA and Version one
* Performed mobile app and mobile web testing for Android and iOS devices
* Expert in ALM design specific to Quality Center for Testing and Defect Tracking
* Analyze User and Functional requirement document for Web and Mobile applications
* Extensively used Java, Selenium WebDriver, TestNG to automate functional scenario
* Hands on Experience in developing TestNG Driver framework following Page Object Model(POM) design pattern for Selenium based Test Automation Framework
* Extensive working knowledge in Core Java and Object Oriented Concepts(Inheritance, Polymorphism, Abstraction Exception Handling, Multi-Threading and Collections)
* Performed unit testing using JUnit/TestNG, Good working knowledge of Ant/Maven for project build/test/deployment, Log4j for error logging and debugging.
* Experienced in using Version Control and source code management system Git & GitHub and continuous integration system Jenkins to schedule test cases.
* Expert in automation script development using different automation tools like Selenium WebDriver(Eclipse, Java, JUnit, TestNG)
* Experienced in converting existing QTP/UFT Script to Selenium WebDriver Script from multi browser support.
* Experienced in designing customized hybrid framework (Keyword Driven & Data Driven) and using Selenium WebDriver, Java, TestNG & Apache POI.
* Experienced in performing Backend Testing using SQL. Used different SQL client like Oracle SQL Developer and SQL Server Management Studio to write and execute SQL Scripts.
* Experienced in Back-End testing to ensure data consistency on front-end by writing and executing SQL queries.
* Experienced in developing BDD Framework using Cucumber, Gherkin feature file and Selenium
* Experience in automation mobile Native, Web and Hybrid apps using Appium, Java Selenium
* Has very strong exposure on Performance testing using JMeter, based on business/functional specifications
* Experience executing tests on in-house grid and a cloud-based testing service such as SauceLabs, Microsoft Azure and Browser Stack.
* Excellent communication, problem solving skills, coordination, documentation, project planning and interpersonal skills.

**SKILL SET**

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| **Programming** | Java OOP, Java Script, VB Script, HTML, XML |
| **Testing Tools** | Selenium WebDriver, Selenium Grid, HP UFT/QTP, Soap-UI Pro, Cucumber, Eclipse, Appium, Test NG, Junit, Maven, Jenkins |
| **Test Management Tools** | HP ALM/QC, Jira, Version One |
| **Reporting Tools** | TestNG, Log4j, Extent Report |
| **Protocols** | TCP/IP, FTP, HTTP/HTTPS, SOAP, REST |
| **Application Servers** | WebLogic, Tomcat, Apache |
| **Database** | Oracle, TOAD, SQL Developer, SQL Server, DB2 |
| **Platforms** | WindowsXP/7/8/10, Mac OS X, UNIX, Linux |
| **Software Methodologies** | Agile, Waterfall, Iterative, V-Model, BDD,TDD |
| **Other Tools** | Firebug, XML, Putty, SSH client, Vi Editor, SQL Editor |

**PROFESSIONAL EXPERIENCE**

**Client: Saks Fifth Avenue, NY Mar 2015 - Present**

**Role: Sr. QA Analyst**

**Project: E-Commerce Application**

## Description: Saks Fifth Avenue one of the world’s preeminent specially retailers company. Sacks has launched a new online featured application called SacksOFF5TH brings different fashionable products on deal to customers. The application which allowed the customer to get a view of all deal of products in the store and buy them online using Debit/Credit card. As a Sr.QA Analyst I was role to automate the functionalities of application and regression suits. I also performed testing on their mobile optimization site, Web services, and backend for data validation purpose.

## Responsibilities:

* Analyze business requirements, functional requirements, use cases and provided feedback for clear understanding of each requirement.
* Analyzing Business requirement specification and System Requirements specification
* Reviewing Project Artifacts, analyzed Requirements, designed the test plan and provided weekly status report that includes testing metrics, test logs and test summary reports
* Prepare Test Plans, Test Methodology and Test Case, Test Scripts as per Functional and Business requirement for System/Functional Test Specification.
* Converts existing QTP/UFT Scripts to Selenium script to support multiple browsers using Java, Selenium, and TestNG& Eclipse
* Actively involved in Functionality Testing, Smoke Testing, Regression Testing, System Testing, Black Box Testing, Integration Testing, User Acceptance Testing(UAT), Ad-Hoc Testing, End-to-End, Black box and database testing.
* Thoroughly Cross browser tested projects to support IE, Edge, Firefox, Safari, Opera and Chrome.
* Performed Native Mobile App testing both in Emulator/Simulator and Real Devices.
* Automated Native Mobile App and mobile optimized site using Appium, Selenium & Java
* Interacts with product management, project management and development teams to develop a strong understanding of the project and testing objectives.
* Worked in Agile Development and SCRUM process throughout the project
* Extensively used Version One to manage User Story, Story related Test case and defect
* Develops and leads the automation strategy / effort and generated scripts to perform automated testing cycles using Selenium Web Driver, Java, TestNG& Apache POI following Page Object Model Design(POM) Pattern
* Provides support to the production deployment of applications and performed "validation testing" during the off- hours maintenance windows
* Develops Automation engineering strategies incorporating tools, test design, test data preparation, test execution, result analysis and maintenance smoke and regression test suites after every sprint deployment.
* Coordinates with team members, developers, test execution team and project managers the proper Defect management strategies and defect tracking in HP ALM
* Designs & Develops TestNG based automation framework includes data driven testing based on Page Object Model(POM)using Selenium WebDriver, Java, , TestNG& apache POI integrated with Git, Jenkins and Maven.
* Implements Object Oriented Concept like Polymorphism, Encapsulation to produce efficiency & scalability in automation Framework.
* Writes SQL Queries in order to obtain test reference data, detect data caching issues and ensure data consistency, a large number of defects were detected by performing back end testing in this project.
* Develops scalable Web Service automation projects extensively using SoapUI Pro
* Developed Test Cases using URL, which defines Web Service Request, Response, methods/operations, and End Point of Restful web service to be tested.

**Environment:** Selenium (Webdriver 3.00, Grid), Java, JavaScript, UFT/QTP, Vb Script, TestNG, Maven, Jenkins, Log4J, Apache POI,TFS(Git), SQL, SoupUI Pro, Appium, Simulator, Android, IOS, ALM, Windows8/9/10.

**Client: PNC Bank, PA Oct 2013 – Feb 2015**

**Role: Software QA Engineer**

**Project: Online Banking Application**

Description: PNC is one of the largest banking and financial services .The project was to enhance the PNC Mobile application and test an internal ticketing system web application. The ticketing system includes feature of Transfer tickets between departments to make sure it's being handled by the correct staff. I worked as a Sr.QA Engineer to automate the functionalities of application, regression suits, and mobile application on android platform.

## Responsibilities:

* Wrote Test Plans from Functional Requirement Documents.
* Performed Regression tests to verify whether modification made in the application have not cause unintended adverse side effects.
* Expertise in analyzing Business requirement specification and System Requirements specification
* Involved in Functionality Testing, Smoke Testing, Regression Testing, System Testing, Black Box Testing, Integration Testing, User Acceptance Testing(UAT), Ad- Hoc Testing, End-to-End Testing, Black box and database Testing.
* Conducted Functional, Regression, Integration, User Acceptance, Cross Browser and Mobile App testing.
* Developed Automation engineering strategies incorporating tools, test design, test data preparation, test execution, result analysis and maintenance smoke and regression test suites after every sprint deployment
* Worked with all Agile Development and SCRUM process throughout the entire project.
* Created manual Test Cases in HP QC/HP ALM for various User Stories based on Release and Sprint Plan.
* Developed test plan, test cases, executed test cases, logged defects and provided testing signoff
* Developed & executed test cases as well as logged and managed defect using ALM Quality Center.
* Expertise in Bug Reporting, Tracking and Documentation using ALM/QC.
* Designed the Test Strategy for multiple projects, defect management using QC/ALM.
* Product Management and Product support thoroughly Cross browser tested projects to support IE, Firefox, Safari, Opera and Chrome.
* Developed Automation Engineering solution for GUI and Web Services for applications developed in JEE using Selenium WebDriver
* Tested the mobile web application using the Android driver
* Design & Develop automation framework using Selenium Java, WebDriver, TestNG, & apache POI
* Implemented Object Oriented Concept like Polymorphism, Encapsulation to produce efficiency & scalability in automation Framework
* Wrote SQL queries in order in order obtain test reference data, detect data caching issues and ensure data consistency; a large number of defects were detected by performing back end testing in this project
* Experience all types SQL queries like select, insert, update, delete records
* Extensive web service call debugging and traffic analysis using Fiddler Web Debugger and incorporating the analysis in test data creation and SoapUI script development
* Extensively developed scalable Web Service automation projects using SoapUI Pro
* Developed SoapUI set up script, tear down script, JDBC set up script, test step assertion
* Evaluation script in Groovy script

## Environment: Windows7/8, Selenium (Web driver 2.0), Java, TestNG, Maven, GitHub, SoapUI Pro, ALM, SQL.

## Client: Merck& Co, Kenilworth, NJ May 2012– Aug 2013

## Role: Software QA Engineer

## Project: HealthCare Application

**Description:** Merck & Co is an American pharmaceutical company and one of the largest pharmaceutical companies in the world. The project was to enhance, modify an existing web based application, which was designed for customers. The project dealt with optimizing the Merck website, and finding out the bugs in the updated website.

**Responsibilities:**

* Reviewed Project Artifacts, analyzed Requirements, designed the test plan and provided weekly status report that includes testing metrics, test logs and test summary reports
* Ensured traceability of test cases back to project requirements and Participated in walkthrough of test cases
* Involved functional testing in mobile and Android/IOS application
* Introduced, developed, documented, and periodically update the QA Test Plan, process and Procedures Manual and Objectives
* Worked with all Agile Development and SCRUM process throughout the entire project.
* Designed the Test Strategy for multiple projects, defect management using JIRA and QC/ALM.
* Maintain & trouble shoot existing automation regressing script VB Script, descriptive programming and QTP/UFT
* Experience working with Cloud based Mobile Test Labs such as Perfecto Mobile.
* Migrates existing QTP/UFT Scripts to Selenium script to support multiple browsers using Java, Selenium, and TestNG& Eclipse
* Used Selenium to expand test scenarios to catch more bugs and improve quality.
* Performed cross-platform testing IOS (iPhone 5, iPhone 6, iPad4, Ipad Air) and Android (Galaxy S4, Galaxy S5 Tablets: Galaxy Tab 3, Galaxy Tab 4)
* Developed and implemented Hybrid Framework with Selenium WebDriver, Java, TestNG, ANT, Apache POI, and Log4J.
* Identified the defects through Selenium and ensured that business processes deliver the expected results and remain reliable throughout the production release.
* Expertise in using Selenium Grid for compatibility testing to test whether the web application is working as desired in different environments.
* Used Firebug tool to identify the Object's id, Name, XPath, link text in the application.
* Experienced in working both of UNIX & Linux environment to analyze log file & to monitor process.
* Experienced in using VI editor to change config file & check text based data file
* Created QA Process Workflow flow documents using MS Visio to define and design effective QAstandards and practices
* Worked on enterprise systems based on various programming languages including Java.
* Coordinated with multiple teams, both internal and external, to specify test planning, execution and reporting requirements
* Developed Behavior Driven Development (BDD) framework using Cucumber.
* Tested SOAP and REST web services using the different assertions like HTTP assertion, security assertions, and XPATH assertions in SOAPUI.
* Performed the Back-End testing to ensure data consistency on front-end by writing and executing enterprise level complex SQL statements on the Oracle Database using TOAD
* Involved in Database testing and database comparison by executing SQL queries and stored procedures to validate that data is being populated in an appropriate tables and manually comparing the results with front-end values
* Find bugs and validate specifications through black box testing techniques (like test matrices, combination testing, and risk analysis) and gray box testing techniques (like database querying and source code analysis).
* Attended the daily Bug review meetings, weekly status meetings and walkthroughs and interacted with Business Analysts and Developers for resolving Defects.

## Environment: Selenium WebDriver, Java, QTP/UFT, Cucumber, Jenkins, TestNG, Maven, GitHub, SoupUI Pro, ALM, SQL, Internet Explorer, Chrome, Firefox, Unix/Linux, Windows7.

## Client: Connecticut Health Insurance Exchange, CT Feb 2011 – Apr 2012

## Role: Software QA Engineer

## Project: Heath Insurance Application

**Description:** The Connecticut Health Insurance Exchange, Access Health CT, is the official Connecticut State marketplace for health insurance under Obama care. The project was to update customer support for online Medicaid and QHP applications, and for enrollment and adherence to the Affordable Care Act (ACA). It also handled additional consumer issues (such as fixing coverage start dates and tax credits) for the Issue and Resolution Department (IRD).

**Responsibilities:**

* Worked in Agile software development environment, and ensured the quality of the architecture of the Enterprise software applications
* Developed and executed Test Cases and Test Scripts based on the requirement documents and managed them using Quality Center
* Perform testing activities using iOS and Android devices and log defects in Quality Center ALM.
* Performed Manual and Automaton testing using QTP to ensure all the business critical and regression test cases are working fine.
* Translating the design documents of iOS and Android devices into test cases
* Designed & developed data driven framework to validate different user form using Quick Test Pro (QTP)
* Extensively used VB Script & Descriptive programming to develop Data Driven Framework in QTP
* Contributed to the preparation of the defect management, communication and test scope sections of the test plan.
* Prepared documentation for assigned projects and followed software release procedures, requirements analysis using Quality Center for importing specifications and documents
* Provided technical guidance, when needed to other members of Quality Assurance, Software Engineering, Product Management and Product support
* Tested the java based/.Net based application in all the browsers including mobile phones and Tablets and making sure the functionality works the same in all the devices.
* Developed structured test cases and test scripts to be executed manually by testers or automatically by test automation tools
* Constant improvement of our Test Automation and Continuous Integration practices
* Documented all defects found in Test Director/ HP Quality Center defect tracking system
* Worked on backend testing by writing SQL Queries like select, insert, update, delete records to write and retrieve data from database and also join and Union statements to compare and combine data among tables in database.
* Developed test suite, test cases, execute test cases and generate report for web service testing to ensure the service are running fine using SoapUI Pro tool
* Performed xml data validation using assertion method in SoapUI Pro
* Guided team to build industry best practices into QA Test processes and evaluated quality risk for product releases, changes, and fixes
* Prepared and delivered reports, recommendations, or alternatives that address existing and potential trouble areas in IT systems and projects across the organization
* Tracked and communicated project QA status to wide variety of team members internally and externally
* HP Quality Center was used for test management and defect management.
* Prepared and sent daily reports - test execution report and bug report.

## Environment: Windows XP/7, Web Application, Quick Test Professional (QTP), VBScript, SoapUI Pro, Quality Center (QC), MS Office, SQL.

**EDUCATION**

Master’s in Computer Information System, American College of Commerce and Technology, VA

BSC in Computer Science, American Bangladesh University, Dhaka, BD