**Anowar Hossain**

**347-669-2320**

**anowarh1414@gmail.com**

**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
* 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, Regression testing, Smoke testing ,End to end testing, system testing, User Acceptance Testing(UAT) and API testing.
* 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
* Extensive working knowledge in Core Java included Object Oriented Concepts (Inheritance, Polymorphism, Abstraction, Exception Handling, Multi-Threading and Collections) as well as java script, Vb script, XML , HTML
* Extensively used Java, Selenium WebDriver, TestNG, Vb Script, UFT/QTP, Soup UI to automate functional scenarios
* Expert in automation script development using different automation tools like Selenium WebDriver(Eclipse, Java, JUnit, TestNG), UFT/QTP, Vb Script, Soup UI Pro
* Hands on Experience in developing TestNG Driver framework following Page Object Model(POM) design pattern for Selenium based Test Automation Framework
* Experienced in designing customized hybrid driven framework (Keyword Driven & Data Driven) and Modular driven framework using Selenium WebDriver, Java, TestNG & Apache PO, Log4J, Vb script, and UFT/QTP.
* Experienced in converting existing QTP/UFT Script to Selenium WebDriver Script for supporting multi browsers and platforms.
* Strong knowledge on Web Services & Hands on experience in validating API test cases using SOAP-UI Pro tools
* Experience in automating Mobile Native, Web and Hybrid applications using Appium, Java and Selenium on different mobile platforms like IOS, Android and Simulator/Emulator
* Experienced in developing Test Driven Development(ATDD) and behavior driven development(BDD) Framework using Cucumber, Gherkin feature file and Selenium
* Used Version One and Jira to analyzes the stories for writing test cases in Agile Development Environment
* Expert in ALM design specific to Quality Center for Testing and Defect Tracking
* 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, Git Hub, SVN and Continuous integration system Jenkins/bamboo to schedule test cases.
* 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 working with both UNIX & Linux environments to analyze log file & to monitor processes.
* Has very strong exposure on Performance testing using Jmeter, Load Runner 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** | VB Script, Java OOP, Java Script, HTML, XML |
| **Testing Tools** | HP UFT/QTP, Selenium WebDriver, Selenium Grid, 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: Kaiser Permanente, Silver Spring, MD Mar 2015 - Present**

**Role: Sr. QA Analyst**

**Project: Health Care Application**

**Description:** Kaiser Permanente is recognized as one of America's leading health care providers and not-for-profit health plans. The project was upgraded to Patient Information System that is used to keep track of the patients registering in a hospital or clinic. Also, this system supports accessing the previous visit histories of any patients, search for patients by name and other properties etc. I Worked as a QA Automation Engineer, worked on building and maintaining automation framework, using UFT/QTP, Vb Script, and was responsible for the following;

## Responsibility:

* Analyzed business requirements, functional requirements, use cases and provided feedback for clear understanding of each requirement.
* Reviewing Project Artifacts, analyzed Requirements, designed the test plan and provided weekly status report that includes testing metrics, test logs and test summary reports
* Worked on HIPAA Transactions and Code Sets Standards according to the test scenarios such as 270/271, 276/277,837/835/820 transactions
* Prepare Test Plans, Test Methodology, Test Strategy and Test Case, Test Scripts as per Functional and Business requirement for System/Functional Test Specification.
* Tested the web application starting from verifying the front-end interface for GUI Functionality and business functions using QTP.
* Wrote and enhanced QTP test cases and test scripts to meet new functional requirements as per the new business requirements.
* Responsible for preparing the Common Object Repository which can be used throughout the automation.
* Added, modified steps containing VBScript programming logic in QTP that way coded exclusively in VBScript.
* Created various Checkpoints extensively used Function Library and debugged tests.
* Developed and modified actions passed parameters through various Actions in QTP and ran automated test cases using Quality Center.
* Created Data Driven Automation frameworks and standards for the team.
* 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, 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
* 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 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: HP UFT/QTP, Vb Script, Selenium WebDriver, Java, TestNG, Maven, Apache POI, Log4J, GitHub, Jenkins, SQL, SoupUI Pro, Appium, Android devices, Simulator, Emulator, ALM, Winndows8/9/10.

**Client: Saks Fifth Avenue, NY Oct 2013 – Feb 2015**

**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:**

* 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
* 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
* Tested the web application starting from verifying the front-end interface for GUI Functionality and business functions using QTP
* Wrote and enhanced QTP test cases and test scripts to meet new functional requirements as per the new business requirements.
* Responsible for preparing the Common Object Repository which can be used throughout the automation.
* Added, modified steps containing VBScript programming logic in QTP that way coded exclusively in VBScript
* Created various Checkpoints extensively used Function Library and debugged tests.
* Developed and modified actions passed parameters through various Actions in QTP and ran automated test cases using Quality Center.
* 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
* Worked on Procedures, Functions using Oracle PL/SQL.
* Automated Web Service projects using SoapUI pro extensively
* Packaged SoapUI automation suites with respective csv files after each Sprint for the test execution team & manual testing team
* Analysis of log files from SoapUI web service project test run to analyze the failure and report or correct scripts based on the failure analysis
* 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 QA standards 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

Environment: HP UFT/QTP, Vb Script, Quality Center, SoupUI Pro, ALM, SQL, Unix/Linux, Windows7

## 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

## Responsibility:

* 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.
* 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
* 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: Selenium (Web driver 2.0), Java, TestNG, Maven, GitHub, SoupUI Pro, ALM, SQL, Windows7/8.

## 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
* Wrote EDI related test cases to test inbound(270/837/834 X12 transactions) and outbound files(271/277/835 transactions
* Performed Manual and Automaton testing using QTP to ensure all the business critical and regression test cases are working fine.
* 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
* 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: Quick Test Professional (QTP), VBScript, SoupUI Pro, Quality Center (QC), MS Office, SQL, Windows XP/7.

**EDUCATION**

(MSCIS) Master of Science Computer Information System

(BSCSE) Bachelor in Computer Science and Engineering