

Senior Software Test Engineer

Professional Profile

US citizen with **nine plus years** of experience in **software quality assurance** and **testing** specialized in both **manual** and **automated testing** of **web-based** and **client applications** on **windows** platform. A well-versed, knowledgeable resource with the **software development lifecycle (SDLC)**, **software testing lifecycle (STLC)**, **QA methodologies**, **test plan**, **test script**, **test case**, **traceability matrix** and **test analysis report**. Served as an **automation test engineer** as successful engagements with multiple clients.

Professional Summary

- 9+ years of experience in **software quality assurance** of **web** and **client/server applications**.
- Excellent knowledge in **software development lifecycle (SDLC)**, **software testing lifecycle (STLC)** and industry standard methodologies like **waterfall** and **agile (scrum)**.
- Used automated tools, tested applications manually, tested the integration and implementation of large-scale systems for **internet** and **intranet based applications**.
- Strong Analytical skills, Functional knowledge in **financial**, **healthcare**, and **e-commerce**.
- Extensive experience in designing **Test Cases**, **Test Scenarios**, **Test Scripts** and **Test reports** of **manual** and **automated tests**.
- Extensive work experience and expertise in **Functional testing**, **System testing**, **Integration testing**, **Backend testing**, **Regression testing**, **Cross browser testing**, and **User acceptance testing**.
- Experienced in **defect management**, establishing **test standards**, **guidelines** and **procedures**, **test execution**, documenting and analyzing **test results**.
- Researched and recommended **automated test tools** like **HP UFT/QTP**, **HP LoadRunner** and **Selenium Webdriver with Java**.
- Performed **Planning**, **designing**, **developing** and **maintaining** **automated test suite**.
- **Lead** the implementation of **automated test framework** from **scratch** which includes **architect** and **maintain** the **automated test environment**.
- Developed, implemented and maintained **automation test framework** from scratch **Data driven framework** and **Keyword driven framework** using **Selenium Webdriver with Java**.
- Implemented **Page Object Model** using **Selenium Webdriver with Java**.
- Developed, implemented and maintained **automation test framework** from scratch **Data driven framework**, **Keyword driven framework** and **Hybrid framework** using **HP UFT/QTP**.
- Generated **custom test report** after execution of automated scripts using **HP UFT/QTP**.
- Used automated approach of sending email along with report to designated stakeholders using **HP UFT/QTP**.
- Experienced in using **HP interactive automated testing tools** like **UFT (14.02 and lower)/QTP**, **LoadRunner (12.01)**, **ALM (11.52)/Quality Center** and **Selenium Webdriver (3.6.0)** with **Java**.
- Experienced in creating test script in **HP UFT/QTP** by recording, without recording, modifying manually and running the script in **HP UFT/QTP**, **HP ALM/Quality Center**, saving the results in **HP ALM/Quality Center**.
- Experienced in **HP LoadRunner (12.01)**, created **vugen scripts** and **scenarios** for **Load testing** with **TruClient Ajax IE protocol** as well as **HTTP/HTML protocol**.
- Knowledge on **508 compliance testing** and **mobile testing**.
- Experienced in validating backend systems like **Oracle** and **SQL server** using **SQL Queries**.
- Experienced in **Web Services Testing** using **SOAP UI**.
- **Mentor** and **lead** other team members. Experienced in working/coordinating **QA efforts** with **offshore** resources.

Education

Master of Business Administration (MBA), Bangladesh

Technical Expertise

Operating Systems	Windows XP, Windows 7, Windows 10
Software Testing Tools	Visual Studio 2015 Professional, Selenium Webdriver(3.6.0), Selenium IDE, Junit, NUnit, HP UFT(14.02)/ Quick Test Pro, HP LoadRunner(12.01), HP ALM (11.52)/Quality Center, Trizetto Facets(5.01), Soffront, Axosoft , Testing Anywhere(9.02), Soap UI, NeoLoad, Silk Mobile, Experitest, Selendroid, Appium
Applications	MS Office, Microsoft Outlook, Lotus Notes
Apps Server	Web Logic, Apache, IIS, WebSphere
Version Control Tool	GIT, Microsoft Visual Source Safe, PVCS
Languages	XML, HTML, VB Script, C#, Java
Databases	Oracle 11g, Microsoft SQL Server 2016, MS Access, SQL, PL/SQL
Methodologies	Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC), Waterfall, Agile(Scrum)

Career Progression

Securus Technologies, Miramar, FL

Oct 2014 - Present

Senior Software Test Engineer

- Involved in **Functional** and **Regression** testing of **web-based** and **client applications** on **windows** platform.
- Involved in **Daily Scrum meeting** to share the information with the team during the **sprint**.
- Setup **Java**, **Selenium Webdriver**, **Eclipse**, **Junit**, **TestNG**, **Maven**, **Apache POI**, **Apache log4j** and other related tools and configured other peripheral tools to perform Selenium test successfully.
- Developed, implemented and maintained automation test framework from scratch **Keyword driven framework** using **Selenium Webdriver with Java** to provide reliable and working software.
- Implemented **Page Object Model** using **Selenium Webdriver with Java**.
- Developed, implemented and maintained reusable custom **methods** using **Selenium Webdriver with Java**.
- Used **driver script** to navigate the **test data variables** by using **Selenium Webdriver with Java**.
- Performed **cross-browser testing** using **Selenium Webdriver with Java**.
- Used **XPath**, **CSS** and **DOM (Document Object Model)** to work with dynamic and static objects in Selenium.
- Used web-debugging tools like **XPath helper**, **Firepath** and **Fire IE Selenium tool** to locate elements.
- Expertise in creating **custom XPath** to locate elements.
- Generated **extended custom report** after execution using **Selenium Webdriver with Java**.
- Expertise in using **Apache POI** to read data from external sources to feed test data into the scripts.
- Expertise in using **Apache log4j** for **custom log** in order to **debug** the scripts.
- Expertise in **JUnit** and **TestNG** framework for creating scripts in **Selenium Webdriver with Java**.
- Developed, implemented and maintained automation test framework from scratch **Hybrid framework** using **HP UFT/QTP**.
- Created **VB scripts** in **HP UFT/QTP** for **Functional** and **Regression testing** to make sure the software/program follows the **requirements** or **specifications**.
- Customized and enhanced the **test scripts** defining various **checkpoints**, **synchronization point**, **input value**, **output value**, **parameterization**, define **regular expressions**, **recovery scenarios**, **optional steps** using **HP UFT/QTP**.

- Performed **Functional** and **Regression testing** using **HP UFT/QTP**.
- Used **VB Script** class: **Excel.Application**, **WScript.Shell**, **QuickTest.Application**, **ADODB.Connection**, and **Scripting.FileSystemObject** etc.
- Extensively used inbuilt **VB Script** methods: **Timer**, **Synchronizations**, **Data Conversion (CInt, CStr, Trim, Split, etc.)**, **Create Object**, and **On Error Resume Next** etc.
- Extensively used **Reporter.ReportEvent** to generate **custom test result**.
- Created automated **framework**, **custom function**, **shared object repository**, and **descriptive programming** using **VB script** for **HP UFT/QTP** automation scripts.
- Used reusable **keyword functions** using both **static descriptive programming** and **dynamic descriptive programming**.
- Used **for-loops** statements, **conditional-if** statements, and **select case/switch case** statements to handle application logic.
- Used **HP UFT/QTP function library (QFL)** to handle Application **work-flow**.
- Used **descriptive programming**, **environmental variable**, **ordinal identifier** and **regular expressions** to identify **dynamic Objects** of **AUT**.
- Used **driver script** to navigate the **test data variables** by using **VB Script**.
- Retrieved data from **SQL Server** using **HP UFT/QTP**.
- Generated **custom report** after execution and send email along with report to designated stakeholders using **HP UFT/QTP**.
- Installed and configured **SOAP UI** to test **SOAP** and **Restful** web services using **WSDL** file given by Development team.
- Developed **data driven framework** using automated tool **Testing Anywhere**.
- Performed **mobile automated testing** for **IOS** and **Android** devices using **HP UFT** with third party **Mobile Add-on** by **Experitest**.
- Extensively involved with manual testing on **Android build (.apk)** and **IOS build (.ipa)**.

Environment: Selenium Webdriver, Eclipse, Maven, Java, Junit, TestNG, Visual Studio 2015, NUnit, C#, HP UFT, VB Script, Microsoft Office, Windows SharePoint Server (WSS), SQL Server 2016, SOAP UI, Microsoft Outlook, Axosoft, Testing Anywhere, Experitest.

BlueCross BlueShield of Arizona, Phoenix, AZ

July 2014 - Oct 2014

QA Automation Developer

- Create **Functional testing**, and **Regression testing** script using **HP UFT/QTP**.
- Provide **smoke testing** for various end to end processing using **HP UFT/QTP**.
- Provide **production support** using **HP UFT/QTP**.
- Upgrade automation testing (**UFT**) environment.
- Develop **load testing** scripts using **HP LoadRunner 12.01** with **TruClient Ajax IE** protocol.
- Create **Performance testing** methodologies.
- Create **Scope document** and **project plan** for the project.
- Interface with Business customers to gather **requirements** for **automation testing** as well as **performance testing**.
- Address and advise team and department on the process of **automation testing** as well as **performance testing**.
- Developed, implemented and maintained automation test framework from scratch **Keyword framework** using **HP UFT/QTP**.
- Interpret results from the **performance testing** via the **controller** and **analysis** tool.
- Developed **customize report** for **automation testing** as well as **performance testing**.

Environment: HP UFT/QTP, HP ALM, HP Loadrunner, HP Metavance, Microsoft Office, Windows SharePoint Server (WSS), SQL Server 2012, VBScript, Microsoft Outlook.

Nexant, Burlington, MA

Feb 2014 - May 2014

QA Engineer

- Performed **manual testing** of windows applications and used **Soffront** for test management.
- Created and develop **test case, test script** and **test data**.
- Utilized **Soffront** for reporting **defects**, developing **test cases**, and **business requirements** vs **test case mapping (Test Coverage)**.
- Performed **Database testing** using **SQL Server**.
- Developed **automation scripts** using **HP UFT/QTP**.
- Performed **Functional** and **Regression testing** using **HP UFT/QTP**.
- Responsible for creating automated test scripts in **HP UFT/QTP** and updated the scripts as per **requirement change**.
- Created **VB scripts** in **HP UFT/QTP** for Functional testing to make sure the software/program follows the requirements or specifications.
- Worked extensively in **keyword view** as well as in **expert view** in **HP UFT/QTP**, including extensive coding and modification of **VBScript** in **UFT (QTP)**.

Environment: HP UFT/QTP, Soffront, Testing Anywhere, SQL Server 2008, Lotus Notes, VB Script, Microsoft Office.

Excellus BlueCross BlueShield, Rochester, NY

Nov 2013 - Dec 2013

Software Test Engineer

- Performed **manual testing** of web-based and client-server enterprise applications and used **Quality Center** for test management.
- Performed **manual testing** using **Trizetto Facets**.
- Worked extensively in keyword view as well as in expert view in **Quick Test Pro (QTP)**, including extensive coding and modification of **VBScript** in **QTP**.
- Designed the test **automation framework** and identified Regression scenarios.
- Maintained and updated the scripts for every release either by updating the object property value for a specific object or by adding new objects to object repository.
- Customizing **test scripts** using **VB scripts**.
- Developed automated scripts using **HP QTP** for **Functional** and **System testing**.
- Prepared test data and test results (input/output files) for data driven method. Executed the action based scripts from **HP Quality Center**.
- Used **SQL** and **PL/SQL** against Oracle database to analyze multiple source data and updating of database.
- Prepared both action based and component based scripts using **HP QTP**, component based scripts were stored in **Quality Center**.

Environment: HP Quick Test Pro, Quality Center, Trizetto Facets, VB Script, Oracle, Microsoft Office, Microsoft Outlook.

Department of Education, Hartford, CT

Nov 2010 - Sep 2013

Software Tester

- Created and develop **test cases, test scripts** and **test data** using **Quality Center**.
- Created and modified **function library** files populate and **share object repository** with **test object**.
- Performed **positive testing** and **negative testing** to ensure that security is maintained throughout the application.
- Provided testing results reports with detailed analysis to team and management on regular basis.

- Performed **data driven testing**, write **SQL queries** to test the data integrity and data validity using **SQL, PL/SQL** Queries manually.
- Customized **test scripts** on **test level** and **global level**.
- Customized and enhanced the **test scripts** defining various **checkpoint, synchronization point, input value, output value, parameterization**, define **regular expressions** using **QTP**.
- Identified the problems, **defect tracking** and created **bug reporting** documents using **Quality Center**.

Environment: HP Quick Test Pro, Quality Center, VB Script, Oracle 10g, Microsoft Office, Microsoft Outlook.

JP Morgan Chase, Brooklyn, NY
QA Analyst

Sep 2008 - Oct 2010

- Analyzed requirements and independently executes **test plans** and **test cases** based on planned project schedules and in accordance with **QA methodology**.
- Interacted with business analyst team to understand **business requirement**, customer expectation and experience and performed **GAP Analysis**.
- Prepared the **traceability metrics (RTM)** to fill the gap between the **requirements** and the **test cases** covered.
- Provided timely and accurate status defect information and appropriate metrics to facilitate **QA reporting**.
- Used **Quality Center** to track for defect cycle. Monitored the defect tracking process and generated customized reports using **Quality Center**.
- Created various **Web Scripts** for the Application using **LoadRunner**.
- Executed **stress, load** and **/rendezvous scenarios** for various operations in the application and performed detailed **test analysis reports** using **LoadRunner**.
- Load tested the application and watched **CPU usage, memory usage** and **bandwidth** on the server.

Working Environment: Quality Center, LoadRunner, Oracle, Microsoft Office.

NJM Insurance, Trenton, NJ
QA Software Analyst

Mar 2008 - Aug 2008

- Performed **positive testing** and **negative testing** to ensure that security is maintained throughout the application.
- Developed test cases as per functional requirements.
- Analyzed requirements and independently executes **test plans** and **test scripts** based on planned project schedules and in accordance with **QA methodology**.
- Provided Testing Results Reports with detailed analysis to team and management on regular basis.
- Performed **data driven testing**, write **SQL queries** to test the data integrity and data validity using **SQL, PL/SQL** Queries manually.

Environment: Oracle, Microsoft Office, Windows XP.