**Muhammad Ziaul Hauqe**

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**Professional Summary:**

* 7+ years of experience in Software Quality Assurance and Testing, in the areas of Business process, requirements, functional analysis, and maintenance of Web based applications.
* Extensive Knowledge of Quality Assurance standards, methodologies and strategies with better understanding of **Software Development Life Cycle (SDLC).**
* Experience in working with open source tools **Selenium (Selenium IDE, Selenium RC/WebDriver, and Selenium GRID), Junit, TestNG, Ant, Maven, Jenkins, Hudson, Cucumber, Jbehave, Eclipse** and preparation of automation test framework.
* Sound knowledge on **Junit**, **TestNG** framework for **Unit testing**, **Maven** and **Ant** for Project **building tool**, **Jenkins/Hudson** for **Continuous Integration**.
* Expertise in developing, estimating, documenting and executing test cases manually and generating automated scripts using **Selenium IDE, RC and WebDriver.**
* Proficient in creating automation script from **scratch**. Sound knowledge of developing different type of **framework** like **Module driven**, **Data driven** and **Hybrid** framework.
* Expertise in preparing Test Plans, developing, reviewing and executing Test Cases and Test Scripts based on Functional Requirements, Business Requirements and Use Case Documents.
* Experience in Smoke Testing, Functional Testing, Integration Testing, GUI Testing, Regression Testing, System Testing and UAT.
* Extensive Experience in using **Selenium IDE, Selenium Remote control (RC), Selenium WebDriver**, **Quick Test Pro**, Performance and Reliability Testing using **Load Runner** and Defect Reporting by **Quality Center** and **Lotus Notes.**
* Excellent knowledge in writing unique **XPath** using **firebug and fire path to** identify web elements.
* Hands on experience in reporting defects by using **HP Quality Center**, track, and verify resolution of software and specification defects along with documentations of all phases and involved in complete SDLC.
* Experience in conducting batch testing and data-driven testing using parameterization to test application with different sets of data.
* Strong experience in Manual and Automation Testing of client Server, Web based Applications, Web Design**, API and SOAP UIs.**
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using **Quality Center**, **JIRA**, IBM **Clear Quest, BugZilla etc.**
* Proficient in **Java, JDBC, JavaScript, C, C++, Oracle, SQL Server, SQL, PL/SQL** and in web Technologies like **HTML, XML and CSS**.
* Exposure to different development methodologies like **Waterfall Model, Iterative** and **Agile development.**
* Excellent experience with **source version control tools** such as **Git & Subversion (SVN).**
* Sound knowledge on **Object Oriented Programming** (OOP) concept. Extensively used Java and Ruby for test case automation. Experience in implementing **TDD** and **BDD.**
* Experienced in writing **SQL verification scripts** to test the result of deployment for correct business logic for **Back-end testing.**
* Professional and Analytical skills coupled with Good Communication and Interpersonal skills describing a committed Team Player and Team Leader.
* **Excellent interpersonal skills**, proven team player with an analytical bent to problem solving and delivering under high stress environment.

**Technical Skills:**

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| **Testing tools** | Selenium WebDriver2.0/RC/IDE/GRID, Selenium Remote control (RC), HP Quality Center, Junit, Jmeter, TestNG, JIRA, SOAP UI, Cucumber |
| **Web Technologies** | HTML, DHTML, CSS, XML, XSD, XSL, XSLT, XPATH, AJAX, Servlets, JDBC, JSP. |
| **Defect Tracking Tools** | Quality Center, JIRA, Clear Quest |
| **Languages** | C, C++, Java, C#, SQL, PL/SQL |
| **Project Management** | Microsoft Project, Microsoft Office (Word, Excel), Microsoft PowerPoint, MS Access, Agile & Waterfall |
| **Build Tools** | Ant, Maven |
| **Continuous Integration Tools** | Jenkins, Hudson, Cruise Control |
| **Browsers** | Internet Explorer, Firefox , Chrome & Safari |
| **Databases** | SQL Server 2005, 2008R2, Oracle 11g/10g & MS Access 2007 |
| **Operating Systems** | Windows XP, 7, 8 & server 2003, UNIX and Linux |

## Professional Experience:

**Client: Altegra Health, Miami Lakes, FL. Oct 16 – Dec 17**

The project, TCS-ARC application was developed to help solve the coding needs of Medical coding business. It was a web-based deployment with extensive use of APIs and web services. The version focused on internal use for employees, with extension plans for end customers.

**Role: QA Automation Engineer**

**Responsibilities:**

* Identified the test cases to be automated and performed data driven testing and GUI Check Points using **Selenium WebDriver** and enhanced the overall functionality of the application.
* Developed the Test Cases Client based on FSD'S and Business Rules and for Web Client Test Cases based on Use Cases, Wire Frames, Annotated Documents and Business Rules.
* Created functional automation scripts for the report generation module using tools **Selenium WebDriver** and **TestNG.**
* Setup the Automation framework using **Selenium WebDriver** to run test cases in multiple browsers and platforms.
* Performed Regression testing on new builds, every modification in the application using **Selenium WebDriver2.0.**
* Performed all aspects of verification including **Smoke testing, Functional testing and Regression testing** on major functionalities of the application.
* Developed and Executed **TestNG** Test Cases using **Eclipse IDE.**
* Automated UI functional tests using **Selenium WebDriver, Java and TestNG**.
* Configured **Selenium WebDriver, TestNG, Maven tool** and created **selenium automation scripts** in java.
* Integrated the test suites to **Jenkins** to execute them automatically after every successful deployment.
* Set up the **Maven** build **pom.xml file and surefire** reports for continuous integration test in **Jenkins**.
* Set up the different builds in **Jenkins** and deployed the scripts on Apache Tomcat.
* Worked on acceptance testing using **Cucumber** and **Selenium WebDriver.**
* Prepared Traceability Matrix to show the test coverage requirement vs. Test scripts.
* Developed manual test scripts to evaluate Corporate Information Security Web based user authentication applications.
* Performed Input Validations**, User Interface Validations**, Browser Compatibility testing and Navigation testing.
* Used **Firebug and Firepath** to access webpage script variables.
* Used **XPath** and **DOM** to work with dynamic and static objects in Selenium.
* Developed **SOAP UI** extension for test statistics.
* Created automation scripts in **SOAP UI** using Groovy Script for web services testing.
* Performed the testing of **Restful** web services for mobile apps for the Using **SOAP UI.**
* Participated and Initiated Team meetings on a regular basis and involved in active discussion in order to improve the testing quality by better strategies and testing approach. Involved in testing applications for **cross browser (IE 9/8, Firefox, chrome, Safari).**
* Performed tests using **Selenium remote control** in different browsers.
* Responsible for writing automation test scripts using Javascript in Rational Functional Tester (RFT).
* Involved in querying using **SQL** and updating records and validate database records as expected.
* Performed Backend testing to verify the data integrity by passing **SQL Queries**.
* Defect Reporting, Analyzing, Tracking and Report Generation using **ClearQuest**.
* Participated in daily **SCRUM** meetings and gave the daily status of testing.
* Attended the daily Bug review meetings, weekly status meetings and walkthroughs and interacted with Business Analysts and Developers for resolving Defects.
* Participated and Initiated Team meetings on a regular basis and involved in active discussion in order to improve the testing quality by better strategies and testing approach.

**Environment:** Java, Selenium WebDriver2.0, Jenkins, Cucumber, TestNG, Maven, Eclipse IDE, XPath, Firebug, Firepath, SOAP UI, DOM, HTML, JQuery, JavaScript, CSS, Scrum, SQL, Oracle and Windows.

**Client: Target Corporation, Minneapolis, MN. May 14 – Sep 16**

**Description:** This performs easy to access all Retail Transactions to the customers. I am testing different customizations like Forgot Password, Auto Disable User Accounts, Usage agreement, Getting started link, User full name on Roster page, Finish Button on registration page, check box under Training schedule page, Removing circular option for subscription links, Copy ILT Class Roster, advanced search in learner approvals and related notifications.

**Role: QA Automation Engineer**

**Responsibilities:**

* Responsible for UI, Functional, Web Services, cross browser, Automation, ETL, Reports Testing of Web, distributed, SOA, Reporting, legacy, **J2EE applications.**
* Writing and executing software system test plans and test cases. These scripts were developed after reviewing the business requirements documents and technical specifications documents.
* Created Automation script using **Selenium WebDriver**. Executed scripts on **different browser** and different **platform**.
* Worked closely with **Agile Scrum** team from several domains to ensure product testability while running Regression tests in **Selenium WebDriver** using **Junit**, and maintained test environments used for white box testing during new product releases.
* Designed and executed the Automation Test Scripts using **Selenium WebDriver and Junit.**
* Performed Data driven testing using **Selenium WebDriver, Junit functions and JDBC Connections** which reads data from scripts using property and XML files.
* Developed and Executed **Junit** Test Cases using **Eclipse IDE.**
* Used **Ant, SVN, Selenium WebDriver, Jenkins,** Java and Selenium Grid to create nightly automation scripts.
* Used **Ant** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Utilized various tools to streamline the testing: **Jenkins**, **Firebug**, etc.
* Involved in testing compatibility of application for dynamic and static content under various cross browsers using **HTML IDs** and **XPath** in **Selenium.**
* Built various **automation suites in RFT** to support various test environments.
* Simulated the **JSON processor Jackson library** for constructing and comparing of **JSON** request and response for consuming REST based services.
* Responsible for Back-end API testing with **SOAP UI** and coding in **Groovy** and Java.
* Installed, configured **SOAP UI** to test web services using WSDL file given by Development team.
* Designed and developed test framework based on **SOAP UI** API, which can support data-driven test, switching test environment, running test case selected and automatically generating test report in CSV format.
* Worked on **Cucumber** Testing applications and Responsible for preparing weekly status reports and validated the **back-end data using SQL queries** for data integrity.
* Used **Jira** for repository, reporting and tracking bugs, and providing updates on resolved bugs.
* Wrote and executed **SQL** Statements to retrieve data from back-end.
* Developed **SQL queries** to query database to test backend process of application.
* Participated in daily **SCRUM** meetings and gave the daily status of testing.
* Attended the daily Bug review meetings, weekly status meetings and walkthroughs and interacted with Business Analysts and Developers for resolving Defects.

**Environment:** Java, Selenium WebDriver, Cucumber, Ant, Jenkins, Junit, SOAP UI, Jira, Eclipse IDE, Xpath, JSON, XML, CSS, HTML, Firebug, internet Explorer, Chrome, Firefox, SQL, Oracle and Windows.

**Client: CitiBank, Dallas, TX**

**Jun 12 – Apr 14**

Fulfillment feedback is a web-based application to automate phone banking feedback process. The application provides bankers with more specific choices. It allows the group administrator to monitor the entered feedback and add comments and resolutions to it. Once they enter the resolution, email will be sent to the Sales bankers and their supervisors automatically.

**Role: QA Engineer**

**Responsibilities:**

* Involved in the development of **Test plan**, Scenarios and **Test scripts** for **manual, automation** and **performance testing** of the various applications.
* Interacted with Business Analysts on regular basis to understand the **Business Requirements.**
* Developed automated scripts for Automated Regression Testing using **Selenium RC**.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application’s GUI and in the testing environment using **Selenium RC.**
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application’s GUI and in the testing environment using **Selenium.**
* Designed High Level Test Cases or Scenarios that map back to High Level **Requirements and Use Cases**.
* Developed scripts for all manual Test cases using **Junit.**
* Exported HTML Test case to Test Suite and then run on other browsers using **Selenium RC.**
* Performed UI testing, Database testing after reviewing the story cards and database diagram.
* Performed **Web Services testing and Validated XML request/response data using SOAP UI.**
* Tested **SOAP-based Web Services** for enrolling customers, getting insurance information, creating claims
* Performed **Regression Testing** of different modules automated in **SOAP UI**.
* Performed **Back-End Testing, database table manipulations** of relational database systems by writing complex **SQL queries manually**.
* Involved in testing the database and **data validation using SQL Queries**.
* Reported the Coverage status of test performed on the **daily/weekly basis**.

**Environment:** Java, Selenium RC**,** Junit, Quality Center, SOAP UI, HTML, XML, XPATH, SQL, Oracle, Windows XP.

**Client: Occupational Health Systems, Knoxville, TN**

**Nov 10 – May 12**

Occupational Health Systems is one of the largest and most comprehensive health care systems. This system provides Patient Administration, Billings and Pharmacy Management functions for the hospital.

**Role: QA Engineer**

**Responsibilities**:

* Analysis of functional specifications and designing Test Plans, Test cases for Functional Testing.
* Actively participation in GUI testing, Functional testing, System testing, Smoke and Sanity Testing.
* Involved in integration testing of different modules.
* Modification and execution of Test case Scripts (Java-Selenium RC) in Eclipse IDE, design of automation test framework (Junit and ANT).
* Wrote test cases and performed Manual Testing like Positive Testing and Negative Testing, Regression, Integration, Unit Testing.
* Performed records, enhanced, and plays back test in Fire fox using Selenium IDE.
* Performed requirements Analysis, Risk analysis, Dependency Analysis and Issues/Problems Analysis.
* Designing and documenting the test cases in a fast paced environment.
* Collaboration with development and other QA on test execution.
* Analysis and isolation of issues reported from clients.
* Defects were tracked, reviewed, analyzed and compared using Quality Center.
* Used SQL Queries for backend testing to check the data integrity and data consistency.
* Interaction with developers to report software bugs and re-test the fixed issues.
* Involved in Creating check lists for testing team.

**Environment:** Java, Junit, Ant, Selenium IDE/RC/ GRID, JavaScript, HTML, SQL, Quality Center, Oracle and Unix/Linux.