**Mirdha M Ferdus**

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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 2016 – July 2018 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.
* Execution of performance script which was developed using Ruby on Amazon Cloud (AWS).
* 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.

**Client:** **Caremark, Richardson, TX Apr-2015- Sept 2016**

**Role: Selenium Tester**

**Responsibilities:**

* Analyzed Business Requirements Documents to get better understanding of the system both on technical and business perspectives.
* Involved in design and implementation of Selenium WebDriver automation framework for smoke and regression test suites (Junit/ TestNG and ANT).
* Design, develop and implement MVC Pattern based Keyword Driven automation testing framework utilizing Java, TestNG and **Selenium WebDriver**.
* Involved in Functional testing, Integration System testing, and Regression testing using Agile Methodology.
* Designed data-driven testing framework in **Selenium** and captured data dynamically from web controls.
* Used automated scripts and performed functionality testing during the various phases of the application development using **Selenium**.
* Involved in using selenium **WebDriver** APIs for writing TestNG test suites and test cases for testing functionality with the **Selenium** Server.
* Involved in creation of automation framework in Selenium **WebDriver** using behavior driven approach like **Jbehave**, **Cucumber**. Parameterized test cases using different annotations.
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using Selenium Grid and Hudson/Jenkins.
* Performed Functional testing and regression testing using Selenium WebDriver automation tool.
* Responsible for developing the Automated Regression Suite and ensure the suite is ready, reviewed & maintained regularly.
* Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using **Selenium**.
* Responsible for preparation of Test cycle/progress reports, analysis of defect metrics & implement improvement actions for next iterations.
* Involved in Defect Management, Defect Review and Defect Status Reporting.
* Used **SQL queries** for retrieving data from database for executing user specific test cases.
* Conducted **backend testing using SQL queries** to validate data for database.
* Actively participated in daily Scrum meetings and involved in bi-weekly Sprint releases.
* Interacted with other external teams for environment/license issues, external services availability and work towards resolution.

**Celtic Healthcare, Chicago, IL Jan 2014 – Mar 2015**

**QA Tester**

**Responsibilities:**

* Analyzed and Test the requirements related to HIX and documented the same.
* Execution of test cases against HIX application
* Prepared Test plans and Test Cases based on requirements using Excel sheets
* Test Case design and Test execution using HP Quality Center and TFS
* Performed White Box, Black Box, and Usability Testing
* Used TFS to catalog defects and evaluated QA test results to determine compliance with test plans and the business’s marketing processes and policies
* Used Rational Clear Quest to track required changes and Rational Clear Case to maintain different versions of the project documentation.
* Implemented and tracked multiple phases of testing including unit test, system test, white box test, black box test, best, and user acceptance test
* Manually tested the web application to ensure the flow of the application functionality
* Involved in UAT and **interface**d with manual team to ensure the automated scripts comply with system test requirements.
* Involved closely with Customers, product teams to understand the scope of new features, develop Test plans, Test Strategies and test cases using HP Quality Center.
* Conducted Performance testing using QTP.
* Active role in designing and creating the **Hybrid framework** using **VBScript** as scripting language for automation by **QC - QTP integration**
* Assisted with testing EDI 837(I, D, P), 835, 834 transactions processing flow from the Trading Partners to the translator to the Mainframe and back to the Trading Partner.
* Testing of Web Services using web services client generated using SOAP UI to track request and response SOAP Messages.
* Involved in testing HIPAA EDI Transactions and mainly focused on 837 and 835/834.
* Responsible for API Testing, Web Service Testing using SOAPUI (Test Suite, Assertions and Mock services).
* Defined the test criteria, project schedules and base lined the Test Plan with the help of project meetings and walkthroughs.
* Clarified QA team issues and reviewed test plans and test scripts developed by QA team to make sure that all requirements will be covered in scripts and tested properly.
* Analysed the business and functional requirements of the application and developed detailed test plans, test cases in Test Director.
* Tested interfaces and ANSI X12 / EDI Version 4010/5010 transactions for (270, 271, 276, 277, 278, 837P, 837I, 837D, 835, 834, TA1, 997 and 824 BRR.
* Provided clear and concise documentation regarding requirements management plans, Functional Requirements, supplemental Requirements, Test Plans and Test Cases.
* Written smoke test cases in HP Quality Center and modified them when they are automated.
* Prepared and executed test cases for Navigational test, Functionality testing and GUI testing using Test Director.
* Executed the test cases and test scenarios using HP Quality center (QC).
* Use HP Quality Center to house all test documentation and report/track all issues and defects (Defect Management).
* Expertise in planning/executing Black Box Testing for both Client Server and IBM Mainframe applications.
* Managed Scope and change throughout the SDLC process of the product.
* Tested security test and audit test for this particular system. Performed Black Box, functional testing, end to end testing for world points system
* Performed the Backend Integration testing to ensure data consistency on front end by writing and executing complex SQL queries on Oracle and DB2 database.
* Involved in creating logical and physical model of the database using MS Visio, MS SQL Server 2008.
* UAT testing performed along with call center managers to make sure that application meets their requirements.

**Texas Medicaid and Healthcare Partnership, Austin, TX Jan 2011- Dec 2013**

**QA Tester**

**Responsibilities**

* Responsible for Manual testing of both web and stand-alone applications (Agile/Scrum development)- majority testing: System Testing, Function Testing, Integration Testing.
* Utilize data-driven and compartmentalized test automation practices using Mercury Interactive Test Suite and Compuware Products.
* Tested the ETL Informatica mappings and other ETL Processes (Data Warehouse Testing).
* Worked with Inbuilt Transformations in SSIS (ETL) like Persistent Lookups to enhance performance for lookups and more utilization of I/O resources.
* Ad Hoc Testing, Smoke Testing, Functional Testing, Integration, Operational Readiness Testing, Regression Testing.  
  Assisted in UAT sessions and performed UAT when necessary
* Tested the application by writing SQL Queries and creating pivot views as to perform back-end testing.
* Front end (UI) and back end black box testing, validation of data using SQL
* Developed Test cases for manual testing and automated them using Win Runner, Silk, Load Runner, Silk performer and QTP.
* Created macros to analyze Facets application log and extract cumulative timings per transaction.
* Performed requirement based testing for functionality, User Acceptance (UAT), and Negative, GUI, System Testing, Integration, Performance, Stress, End To-End & back end testing on multiple OS.
* Work in the Agile-development environment with frequently changing requirements and features set.
* Managed test plans and defects in Clear Quest and updated the comments and resolutions after successful execution of test plans in UAT and Integration environments.
* Performed User Acceptance Testing along with the Users.  
  Performed End-to-End testing manually and was associated with UAT.
* Developed SQL scripts and wrote stored procedures to validate the flow of data from Legacy source to target application database and ability to perform data validation (of ETL processes, schema and DDL check, data flow from data warehouse to application databases, data marts, return marts, referential data, repositories).
* Installed & Configured Cognos Office Connection and Developed Templates for Cognos, Office Word, Excel and PowerPoint.
* Used QTP Checkpoints (GUI, Database and Bitmap) for comparing behavior of Application from previous builds.
* Involved in UAT and End to End testing designed, scheduled and executed test plans in the predefined timeframe
* Wrote Test Plans in MS Word for Manual Testing, System Testing, Integration Testing, Performance Testing, Regression Testing & reviewed their consistency with the business requirements.
* Responsible writing Test Plans, Test Cases and Test Scripts using manual and automated testing tools from Rational and Mercury Interactive such as test Director, Win runner.
* Designed and development of test cases based on functional requirements for Institutional and Professional claims for EDI and HIPAA Transactions 837/835, 834, 276/277, 270/271 testing.
* Responsible for system, functionality, configuration, sanity, regression testing and UAT. Identifies majority of defects of high priority on all assigned projects
* Used Test Director and Mercury Quality Center for updating the status of all the Test Cases & Test Scripts that are executed during testing process.
* Established traceability matrix using Rational Requisite Pro to trace completeness of requirements in different SDLC stages.