**Subin Raj Shrestha**

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**PROFESSIONAL SUMMARY:**

* Over 7 years of experience working as QA Engineer for Software Development and Testing life Cycle including preparation of Test Strategies, Test Plans, Test Cases, Test summary reports for both Web and Client-Server Applications.
* Extensive knowledge of Quality Assurance standards, methodologies and strategies with better understanding of Software Development Life Cycle (SDLC).
* Expertise in using various automation test tools like Quick Test Pro (QTP), Quality Center, Selenium WebDriver, LoadRunner, TestNG and Visual Studio TFS.
* Proficient use of the Quality Center and Test Director to manage the software testing process.
* Experience in functional testing, integration testing, regression testing, black box testing, white box testing, unit testing, GUI testing, back-end [API] testing, system testing, Browser compatibility testing.
* Experience in development of JUnit tests for API Testing and execution of the tests.
* Good programming experience in Object Oriented Programming languages like Java, J2EE, JDBC, Servlet, JSP, Struts, spring and Hibernate with strong debugging skills.
* Experience in developing end to end automation using Selenium WebDriver /RC/IDE/Grid, Quick Test Professional, Junit/TestNG, ANT, Maven, Jenkins, Hudson, Jbehave, Cucumber, Web Services (REST, SOAP).
* Experience in Front End web technologies like HTML, DHTML, CSS and JavaScript.
* Experience in XML technologies like XML, XSD, XSLT, XPATH, XQUERY, SAX and DOM.
* Good experience in UNIX Shell Scripting and hand on experience in UNIX performance monitoring commands like iostat, vmstat, netstat and top as well as perfMon for windows.
* Experience with end users to supporting UAT testing.
* Good exposure to various bug tracking tools, such as BUGZILLA and JIRA.
* Good knowledge of JAMA management software like test cases management and strategies.
* Experience in using SQL Queries to make sure that data was entered properly in the right tables, when the data was entered from front end screen.
* Experience in using TOAD to access databases in order to retrieve data in the process of Backend testing.
* Good knowledge testing the applications on multiple browsers (IE, Netscape, Firefox, Chrome, etc.) for the purpose of Browser-compatibility testing.
* Proficient with tools such as MS Office, Visual Source Safe, and CVS.
* Experience with testing on UNIX and LINUX environments.
* Experience in Testing Database Applications of RDBMS in Oracle 10g, MS SQL Server and MS Access.
* Experience in Participation and driving of concept commit, execute commit, BRD reviews, FSD reviews, TDD reviews, Test scenarios review and Test cases review.
* Strong problem solving, analytical skills in testing, development and automation.
* Versatile team player with good communication and interpersonal skills.

**TECHNICAL SKILLS:**

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| **Testing Tools** | Mercury Interactive (HP QTP,HP Quality Center, Test Director, Win Runner and Load Runner), Rational tool suite(Rational Test Manager, Rational Clear Quest, Junit, RFT, JIRA, Rational Robot and XDE), Selenium WebDriver, Eclipse, Visual Studio TFS |
| **Platforms** | Windows 7/Vista/XP/2000/ME/NT, UNIX (Sun Solaris), DOS, MAC OS X. |
| **Languages** | C++, UNIX Shell, SQL, Java, J2EE, JSP, HTML/CSS, JavaScript, JUnit. |
| **Database** | MS Access, PL/SQL, MSSQL, MYSQL, Oracle, Microsoft SQL Server 2000/2005/2008 |
| **Browsers** | MS Internet Explorer, Mozilla Firefox, Safari, Chrome, Netscape, Opera. |
| **Firefox Add-ons** | Xpath, Xpathchecker, HTML Validator, Regular Expression Tester, Tamper Data, Web debugging tools Firebug, Fiddler, JavaScript Debugger. |
| **Bug Tracking** | HP Quality Center, Bugzilla, Visual Studio TFS, JIRA |
| **Applications** | MS Office Pro (Word, Excel, PowerPoint, Access, Outlook) |

**PROFESSIONAL EXPERIENCE:**

**Client: HIX, State of Rhode Island, Deloitte Jan 2013- Present**

**Role: Sr. Automation QA Engineer**

This project involved Health Insurance Exchange, which means state providing health insurance to all individuals, family, small business and brokers & navigators. In these 4 modules there are different functionalities and we used the automation for regression testing.This project is named Rhode Island Health Insurance Exchange, called Rhode Island Health Benefits Exchange, will aim to connect residents and small businesses to affordable health insurance. The exchange will give individuals and small businesses online and in-person access to compare health insurance options and learn if they qualify for the tax credits/subsidies or public health insurance programs. The implementation of the framework supported Firefox, IE8,9, 10, Chrome and Safari.Entire selenium implementation is performed in Java and it is a Maven based project which is used as a built tool package. We leveraged couple of features like Dependency management and interacting with TESTNG.

**Responsibilities:**

* Responsible for analyzing business, functional and IT requirement documents and prepare complete Test Plans including system test plan, integration test plan, QA project plans and resource planning and allocation.
* Translated requirements into system performance solutions and developed Implementation plan, Test Metrics and defined Metrics Tracking Strategy to be followed after each successive load test.
* The automation framework was designed in Java and Selenium Webdriver, TESTNG and Maven.
* Selenium Webdriver was to interact with the browser and simulate the operation on the browser.
* Used Selenium WebDriver used to test search results of Meta search engine.
* Involved in designing of the modules and testing JAVA classes that controlled the whole flow of the module as per specifications.
* Extensively involved in writing and testing the test cases using TestNG.
* Conducted tests on pre-release software (SQL-Station) used as a development tool for Oracle, MS SQL Server, and DB2 LUW databases.
* Utilized testing tool TestNG extensively for the integration testing and unit testing.
* Tested the application that was developed using Struts Framework that leverages classical Model View Layer (MVC) architecture.
* Developed many Java classes to perform API level testing.
* Wrote and executed automated test cases using Selenium WebDriver to automate manual testing solutions.
* Involved in the complete Performance Test cycle promoting it to the User Acceptance Testing.
* Responsible for carrying out Load testing during various phases of testing.
* Responsible for Manual testing of both web and stand-alone applications (Agile/Scrum development)- majority testing: System Testing, Function Testing, Integration Testing.
* Working on RFT 8.1 with using of Test Object methods(Object based methoology).
* Checked the data flow through the frontend to backend and used SQL Queries to extract the data from the database.
* Performed Functional Testing, Back-end Testing, Regression Testing, and Installation Testing
* Participating in Design, development and executing Test Cases
* Good Exposure to Testing Life Cycle and Bug Life Cycle
* Prepared the Automation scripts with Descriptive Programming in RFT.
* Tested the application by writing SQL Queries and creating pivot views as to perform back-end testing.
* Created the Execution result sheet, Execution plan, Completion report documents for Functional testing.
* Worked with Developers, Business analysts and Project managers to determine requirements (H/W specs, Test Cases, Test Data).
* Analyzed System specifications and Business Requirements to evolve a measurable QA Plan for the complete group as per the RUP Guidelines.
* Conducted User Acceptance Test (UAT) with users and customers and wrote issues log based on outcome of UAT.
* Also took part in the daily standup meetings with sr. Business Analyst and managers and understood various process plans, business process, and functionality in detail.
* Initiated and participated in conference calls, walkthrough and review meetings.

**Environment**: TestNG, Maven, Selenium WebDriver, DB2 LUW, Mainframe, QTP 11.0, SQL Server, DHTML, Java/J2EE (JSP, Servlets, Struts, JDBC, JMS), Spring 2.0.4, Eclipse 3.2, Agile, VBScript, HTML, Oracle11i, Unix, Jira, MSWord, MS Excel, Windows XP, PL/SQL Developer.

**Client: Pfizer, Bridgewater, NJ. Mar 2012–Nov 2012**

**Role: Automation QA Tester**

Pfizer is one of the biggest pharmaceutical companies in the world. It manufactures healthcare products (drugs and medical devices) and consumer products. The main goal of the project is to develop Laboratory Information Management System (LIMS) for use by lab personnel. LIMS implementation is designed to support information gathering, decision-making, calculation, and review.

**Responsibilities:**

* Analyze Business, Technical, System requirements and Use cases and involved in reviews of High Level Designs.
* Design and Developed Selenium Test Framework.
* Used web debugging tools such as firebug, firepath and xpather to locator elements.
* UsedTestNg test framework to design the test suite.
* Used build tool Maven to generate test report.
* Used core Java language most of the time to design the test cases.
* Developed process work flow based on requirement Specifications.
* Tuned stored procedures/scripts, SQL queries to improve the system performance.
* Executed SOAP based web services API testing (Java client and SoapUI).
* Performed Manual Testing on different modules of the application.
* Performed web testing for checking page contents, broken links, web objects, frames and tables using selenium.
* Used SQL to validate the data in Oracle Database.
* Used TOAD interface to write and execute SQL scripts and queries for manual back-end testing.
* Developed SQL queries to simulate data validation reports and to stage test data for ongoing testing.
* UsedQuality Center for repository, reporting and tracking bugs, and providing updates on resolved bugs.
* Used Telnet to login remote UNIX boxes and FTP to upload/download the files to/from UNIX boxes.
* Extensively use UNIX & shell scripts for validating the code in back-end servers.
* Created Test strategy, critical scenarios and Test Scripts and schedule for testing.
* Actively participated in all phases of testing life cycle including document reviews, and project status meetings.
* Worked onJIRA to log defects and track resolution till the closing of defect after retesting.
* Generated the test defects report and reported it to the development team for Bug fixing through Test manager.
* Prepared weekly project report that includes Test Metrics and status reports.
* Participated in weekend review with team members
* Participated in weekly status meetings and coordinated with the developers and testers to resolve and close defects.
* Attend requirements review meetings to ensure that the system meets all primary requirements.

**Environment:** Java, Selenium WebDriver, WebdriverBackedSelenium, DB2 LUW, Mainframe, QTP 11.0, Firefox, Internet Explorer, Opera, Safari, JSP, JavaScript, TestNG, Firebug, Firepath, Xpath, Xpather,VBScript, Agile, XML, HTML, DHTML, MS EXCEL, SQL, PL/SQL, MS Access, Servlets, Apache-Tomcat, WebServices, Unix and Windows, Perl, Bugzilla.

**Client: WebMD Envoy, NY Feb 2010 – Jan 2012**

**Role: QA Automation Tester**

WebMD **Envoy** is a leading provider of electronic data interchange (EDI) and related services to the healthcare industry. Their transaction services are used by physicians, pharmacies, dentists, hospitals, labs and health plans to reduce costs associated with processing claims, determining eligibility and coverage, patient billing, Patient Accounts and provider reimbursement. **WebMD Clinician** is a web-enabled solution that simplifies order entry and reports distribution of any clinical documentation processed by health systems, hospitals, or laboratories. Physicians and office staff can access laboratory reports, transcription reports, radiology reports, face sheets, and even images from any computer that has Internet access.

**Responsibilities:**

* Identified the test cases to be automated and performed Keyword driven testing using selenium and enhanced the overall functionality of the application.
* Involved in querying using SQL and updating records and validate database records as expected.
* Prepared Traceability Matrix to show the test coverage requirement vs. Test scripts.
* Developed manual test scripts and test scenarios to evaluate new feature in the applications.
* Performed Input Validations, User Interface Validations, Browser Compatibility testing and Navigation testing.
* Performed Backend testing to verify the data integrity by passing SQL Queries.
* Performed Smoke and Functional testing on every build of the application.
* Defect Reporting, Analyzing, Tracking and Report Generation using Selenium.
* Attended the daily Bug review meetings, weekly status meetings and walkthroughs and interacted with Business Analysts and Developers for resolving Defects.
* Involved in documenting & resolving testing issues in the testing environment.
* Worked on Selenium Testng Framework.
* Generated XSLT test reports using selenium.
* Have prepared selenium scripts for the functionalities in the application.
* Conducted functional tests & executed test cases to validate the ad hoc reporting/Querying features.

**Environment:** Selenium Web driver, Quality Center, BEA Web Logic, J2EE (EJB, Servlet & JSP), HTML, DCOM, UNIX, Shell Scripts, Eclipse, Business Objects, Toad, Oracle, SQL Server, T-SQL, PL/SQL.

**Client: Littonloan Service, Houston, TX.   Feb 2008 – Jan 2010**

**Role: QA Analyst.**

Litton Mortgage Service Center is a premier residential mortgage servicer that works to cure problem loans and prevent foreclosures by providing delinquent customers with a full range of structured counseling and support services.

**Responsibilities:**

* Gathered and analyzed the Software Requirement Specification and User requirements.
* Created comprehensive test cases for the different product suites and components in the test Management tool Quality Center.
* Efficiently communicated the testing issues with Project Management and the Development Team.
* Played an active role to determine the timeframe for every enhancement of the application during Sprint Planning.
* Develop and execute automated test scripts using QTP.
* Install and test the application on smart phones and PDA’s.
* Create and Review the Acceptance test cases with the Product management and the Development team.
* Responsible for validation of XML messages against the XML schema in test harness using XML Spy.
* Tracked bugs and reported issuesand defectsusing JIRA.
* Followed the Agile Software methodology.
* Developed Test Strategy from the Use Cases and the Business Requirements, Functional Requirements development Methodology.
* Performed functional and regression testing of test scripts.
* Involved in end-to-end manual testing.
* Acted as a Liaison between the customer and the Client during UAT.
* Installed and tested the application on different operation systems.(Windows XP, VISTA, MAC OS, Red Hat.
* Monitored test progress throughout the release cycle, communicates test results, issues and risks to team members.

**Environment:**Windows XP, Red Hat, Mac OS, ASP.NET, XML,Quick Test Professional (QTP), Windows, MS Project, VISIO, MS Office, JIRA, Pervasive PSQL ,XML Spy.