**Sr. Automation QA Tester**

***PROFESSIONAL SUMMARY***

* Over 7 years of experience in Software Quality Assurance and Software testing.
* Experienced in using applications testing tools like Selenium, QTP, HP Quality Center and HP ALM.
* Experience in Medicaid/Healthcare applications and worked in all HIPAA versions and transactions like 4010 and 5010 270, 276, 837, 834 and 835 transactions.
* Good Technical Experience in Writing Test Cases, Test Scripts, Automated scripts, Documentation and Setting up Test lab Environment.
* Proficient in Black Box and White Box Testing, System Testing, Integration Testing, Regression Testing, End to End Testing and User acceptance testing.
* Experience in Bug Tracking.
* 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.
* Having good experience in Agile (Scrum) methodologies.
* Proficient in implementation of Software automation, Testing (functional, acceptance, browser compatibility).
* Written Selenium Automation Scripts for Sanity and Regression testing.
* Experience in Using Quality Center extensively for Establishing Traceability to Requirements, Test Cases, Bug tracking and Reporting.
* Expertise in Analysis of Problem Severity, Defect Tracking System and Defects Reporting System using Test Management tools like Mercury Quality Center and Test Link.
* Experience in writing and executing test cases using Mercury Quality Center
* Experience in Data validation and Back end testing of the Databases to check the integrity of the data. Used SQL queries to retrieve the data from the Database
* Written Selenium Automation Scripts for Sanity and Regression testing.
* Extensive knowledge of HMO Medical Management Information Systems (MMIS), Health Insurance Portability and Accountability Act (HIPAA) standards, Electronic Data Interchange (EDI) and implementation of HIPAA code sets, ICD-9, ICD-10.
* Experienced in Back-End testing by using SQL queries on MS SQL Server, Oracle on Windows and UNIX platform
* Expert in creating SQL queries against Oracle, MS SQL server and DB2.
* Performed Backend Testing of the application by writing SQL queries and writing UNIX Shell Scripts
* Created complex SQL scripts and embedded them into the UNIX Shell scripts to automate the Back-End testing.
* Connected to SQL Plus in UNIX and created and executed complex SQL queries.
* Experience in web services testing using Service Oriented Architecture tools SoapUI.
* Experience in XSL, XSLT for formatting and displaying XML data on browser and familiar with XML Schemas.

***TECHNICAL SKILLS:***

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| Programming/Scripting Languages: | C++ ,Java, SQL, HTML5, JavaScript,Perl,Python,Vbscript |
| Project /Test Management Tools: | HP Quality Center(QC) 8.x/9.x/10.00, Test Director 7.2, HP ALM |
| Automation Tools | Selenium, Web Driver,QTP, SOAP UI 3.5(WebServices) |
| Databases: | Oracle,MSSQL Server, MySQL and MS Access.,DB2 |
| Defect /Bug Tracking | JIRA, Bugzilla |
| IDE | Eclipse(Galileo,Kepler), |
| Browsers | Internet Explorer, Firefox, Chrome, Safari |
| MS Office Tools | MS Excel, MS Word, MS Project |
| OS | Unix,Windows 98/ NT/XP/7 |
| Unit Testing/Test Driven Frameworks | JUnit , TestNG , |
| Build/Integration Tools: | Maven, Ant |

***PROFESSIONAL EXPERIENCE***

***State of Alabama, Department of Health and Human Services, Montgomery, AL November 2013 - Present***

***Role: Sr. Automation QA Tester***

***Description:***

Provided support for the Alabama MMIS system. Objective of the project was to develop Medicaid Management Information System (MMIS) for State of Alabama following HIPAA standards. The web based Health Care Management System is developed using HIPAA guidelines and regulations which keeps track of Healthcare transactions like Eligibility Request/ Response, Request and Response for Claims Status, Prior Authorization, Claims Vision and Claims Payment. This application also keeps record of all transactions, subscriber's medical history and provides data to other State agencies as required.

***Responsibilities:***

* Tested compatibility of application for dynamic and static content under various cross browsers using HTML IDs and XPath in Selenium.
* Participated in JAD sessions to ensure appropriate scope management for MMIS.
* Performed functional testing to identify various critical points in the application and automated it by using Selenium Webdriver.
* Worked on various HIPAA X12N Standards like 270/271, 278In/ 278Out, 834 while testing various level of EDI Transactions.
* Created selenium based scripts using JUnit.
* Analysis of Business and Requirement Specifications. Designing Test Lab and formulation of Test Strategy, Test Plans and Test Cases in HP ALM for the Functional, Integration, end-to-end, stability, Security and smoke testing.
* Validated the reports and files according to HIPPA X12 enforced standards Worked on different 5010HIPAAEDI transaction and code sets including 278 (Referrals), 834 (Enrollment), 270/271(Eligibility), 276/277 (Claim status), 837 (Claims) 835 (Claims Payment) Batch and real-time (with MQ series used for real-time). Also worked on Medicare Claims.
* Written Selenium Automation Scripts for Regression testing using Selenium RC in Eclipse IDE.
* Extensively tested the application for security.
* Used DB2 client to write SQL's to validate the test data.
* Used JUnit Framework for creating Selenium scripts.
* Involved in Integration system & Regression Testing
* Created Automated Test Script using Selenium, which were used during the Functional& Regression Testing.
* Responsible for gap analysis in changing old MMIS and Involved in testing new MMIS.
* Designing a User friendly Interface for the testers to trigger automation scripts and record the results in Excel.
* Experience with documenting Claims processing lifecycle and got good exposure of X12 834 transactions for HIPAA 4010.
* Performed Regression testing for new builds and every modification in the application using Selenium 2.
* Developed ANT Scripts to run the automation scripts and implemented “JUnit report” ant task to develop HTML based test reports.
* Researching various open source automation tools that facilitate an easy and simple approach for automation.
* Implemented Selenium Grid to run Regression Tests on multiple platforms and browsers in parallel.
* Used Selenium IDE for testing various web applications.
* Used Selenium Webdriver to run test cases in multiple browsers and Platforms.
* Involved in writing DB2 queries per the test requirements and for the fatal errors.
* Tested the various Service Oriented Architectures (SOAs) spanning across various web services using SOAP and WSDL across various applications using SoapUI

***Environment:*** Windows NT/XP, HTML, XML, C++, Java script, Selenium 2, IDE, JUnit, ANT, Eclipse, MS SQL Server, Python ,HP ALM, DB2, SOAP UI 3.

***Department of Health & Human Services, State of Maine (ME) May 2012 – October 2013***

***Role: Sr. Automation QA Tester***

***Description:***

Maine Department of Health and Human Services is involved in the replacement of the MMIS (Medicaid Management Information System). The project aims at building an Enterprise SOA (service-oriented architecture) based system that will be developed on the Microsoft .NET Platform. The new Claims Processing MMIS will replace the old legacy system and will automate all the business areas with minimum human intervention. As a UAT tester, I was involved with testing Claims Processing data which needed to be migrated from the Mainframe to the SQL Server environment and check if the claims processing is working as expected in the new environment. I was also involved with the HIPAA 5010 compliance for the new MMIS system. Worked as a ETL Tester to execute conversion scripts based on Conversion Specification document. Conduct backend testing by querying databases to synchronize testing databases and check for data integrity and proper routing based on specifications.

***Responsibilities***

* Involved in developing selenium automation framework using Junit. Developed ANT targets to execute automation suites from command line.
* Performed the Backend integration testing to ensure data consistency on front-end by writing and executing SQL queries
* Worked on Medicaid Recipient processing including specialized knowledge of Recipient processing, Portals, and Enrollment Subsystems of MMIS.
* Designing Test Cases, Test Scripts and Test Procedures in detail by analyzing Functional Requirement Specifications and Wire Frames.
* Prepared and Maintain test data to support the execution of the manual and automated tests.
* HIPAA 4010 - 5010 Conversion Analysis -Involved in documentation of HIPAA 5010 changes to EDI 837, 834, 835, 276, 277 Transactions.
* Created Automated Test Script using Selenium, which were used during the Functional & Regression Testing.
* Performed browser compatibility and Risk analysis.
* Designed, developed and implemented MVC Pattern based Keyword Driven automation testing framework utilizing Java, TestNG, and Selenium Web Driver.
* Coordinate with development team to assist root cause analysis to resolve the defects.
* Using JIRA for project management, defects tracking and reporting.
* Conducted review sessions on regular basis with QA and development teams for preparing status, delivery report and client reporting for MMIS testing.
* Involved in testing HIPAA EDI Transactions and mainly focused on PA and Eligibility Transactions like - 270,271,276,278,834, 835, and 837.
* Involved in re- engineering of the EDI Gateway to assist in the development of HIPAA repository to process 5010 claims.
* Worked on distributed test automation execution on different environment as part of Continuous Integration process using Selenium Web Driver and Jenkins.
* The test team needs all the help it can get to effectively test the software and make sure that it meets quality expectations
* Maintain knowledge of current software testing tools and testing standards.

***Environment:*** Windows NT/XP, HTML, XML, C++, Java script, Selenium 2, IDE, JUnit, ANT, Eclipse, MS SQL Server, Python ,HP ALM, DB2, SOAP UI 3

***WellPoint Inc, Virginia Beach, VA August2009 – April 2012***

***Role: QA Automation Tester***

***Description:***

WellPoint, Inc. is one of the largest health benefits companies in the United States. Through its networks nationwide, the company delivers a number of leading health benefit solutions through a broad portfolio of integrated health care plans and related services, along with a wide range of specialty products such as life and disability insurance benefits, dental, vision, behavioral health benefit services, as well as long term care insurance and flexible spending accounts. This project is a web based application which allows the customers to pay the bills online, get an online quote, report a claim, view the claim status and verify the account balances etc.   
I was involved in the testing of following modules ,Admin Module, Personal Information Module, Report Module, status module, Account balance module.

***Responsibilities***

* Analysis of Business and Requirement Specifications. Designing Test Lab and formulation of Test Strategy, Test Plans and Test Cases in HP ALM for the Functional, Integration, end-to-end, stability, Security and smoke testing.
* Extensively tested the application for security.
* Performed functional testing to identify various critical points in the application and automated it by using Selenium Webdriver.
* Used JUnit Framework for creating Selenium scripts.
* Involved in Integration system & Regression Testing
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML IDs and XPath in Selenium.
* Performed Regression testing for new builds and every modification in the application using Selenium 2.
* Researching various open source automation tools that facilitate an easy and simple approach for automation.
* Used Selenium IDE for testing various web applications.
* Used Selenium Webdriver to run test cases in multiple browsers and Platforms.
* Tested the various Service Oriented Architectures (SOAs) spanning across various web services using SOAP and WSDL across various applications using SoapUI.

***Environment:*** Windows XP, ASP.NET, MS SQL Server, Quality Center, Windows NT/XP, HTML, XML, C++, Java script, Python, HP ALM, DB2, Selenium 2, IDE, JUnit, SOAP UI 3.5

***Memorial Hospital, Carbondale, IL Jan 2008 – July 2009***

***Role: QA Tester***

***Description:***

Memorial Hospital is one of the sub-branches of Southern Illinois Health Care which is one of the admirable health care providers in Illinois. The Project designed was an Intranet-based application called OPT application (Online Patient Tracker application), which provides a centralized access to all the necessary resources in the hospital for Physicians, Nurses and other employees in the hospital. For the User’s the Interface was a web-based one where they can schedule their appointments, search for Physicians, their bills and many more. This application helps the authorized administrators in the hospital to update the patient records

***Responsibilities:***

* Participating in JAD Sessions, BRD Reviews, FS Reviews, and Tech Spec Review Meetings.
* Was responsible for data mapping of HL7 messages into relational database.
* Developing scripts using automated testing tools for regression and performance testing of the application.  This role involves interfacing with developers.
* Developed and customized Mercury interactive Load Runner scripts to simulate virtual users.
* Performed scalability load testing involving simulating load from multiple machines.
* Generated Vuser script to emulate concurrent users, inserted rendezvous points in the Vuser scripts and Created and Ran different Scenarios for the application.
* Analyzed the response time graphs over multiple iterations thus generated in Load Analysis.
* Internal & External review of Test plan and Test cases. Build setup on Test environment and installation Testing.
* Analyzed HL7 messages to track necessary information pertinent to solving Epic and Heat cases
* Worked on SQL statements in checking the validity of the Backend.

***Environment:*** Mercury Tools(Win Runner 7.0, **HL7,** Test Director 7.0/7.5, MS Office, MS Visio, MS project, **Load Runner** 6.5/7.0, Quick Test Pro 6.5, Quality Center 9.0), Adobe LiveCycle 7.2, Facets, NT/00, SQL, SQL Server, XML.