**Sudha Ch**

**QA Engineer**

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**Visa: Green Card**

**Professional Summary:**

* **6 years** of diverse experience in the Information Technology industry with a focus on Software Quality Assurance (QA/Software Testing) activities.
* Excellent understanding of **Software Test Life Cycle (STLC) and Test Methodologies.** Good understanding of **AGILE**, Waterfall software development methodologies.
* Experience in Automation Testing and Manual Testing (Black Box/White Box Testing) on Web-based applications.
* Experience in developing end to end automation using Selenium WebDriver/IDE/Grid, TestNG, Maven, Jenkins, Cucumber, Web Services (REST, SOAP).
* Strong Knowledge on software development life cycle developing in **Java or C++**
* Expert in developing **Java Selenium/WebDriver** test scriptsand **Test Framework** using **TestNG** to perform **Unit Testing.**
* Have **Java** coding experience in **Eclipse IDE** for functional testing and regression testing for web based N-Tier applications.
* Expertise in functional testing AUT using **Selenium** **WebDriver** using **TestNG** testing framework.
* Experienced in using **Maven build tools to manage framework dependency jar files.**
* Experience in **creating Test Plans**, **writing and executing Test Cases, Manual Testing, and automated Test Execution.**
* Experience in Business **Functionality Testing,** **Smoke testing,** User Interface testing, **Integration Testing, Black Box Testing,** End-to-end Testing, **Manual Testing**, **UAT testing**, **Regression Testing**, **Performance Testing**, **Documentation and Reporting**.
* Good experience in Web Services/API testing using **SOAP UI, POSTMAN** and **Rest Assured.** Providing required input data to request **XML** and get the required data from response XML and use the response data from other request XML using **SOAP U0, POSTMAN.**
* Experience and understanding of health care industry, claims management process, knowledge of Medicaid and Medicare Services.
* Experience in managing and deploying web based trade order management system to input trades.
* Strong experience with **SOA** architecture which include **Soap Web Service** and **RESTful Web Service** Testing.
* Excellent knowledge in writing unique **XPath** using **firebug and fire path to** identify web elements.
* Experience in designing **automation** scripts in order to eliminate excessive repeatable manual cycles.
* Experience in Using **Quality Center/ALM, JIRA** extensively for Establishing **Traceability to Requirements, Test Cases, Bug tracking and Reporting**.
* Experience in conducting **User Acceptance Testing** (UAT).
* **Excellent interpersonal skills**, proven team player with an analytical bent to problem solving and delivering under high stress environment.
* **Good analytical and communication skills** and ability to work independently with minimal supervision and also perform as part of a team.

**Technical Skills:**

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| **Testing tools** | Selenium WebDriver/IDE, HP Quality Center/ALM, TestNG, JIRA, Soap UI, Cucumber, POSTMAN |
| **Web Technologies** | HTML, CSS |
| **Defect Tracking Tools** | Quality Center/ALM, JIRA |
| **Languages** | Core Java |
| **Build Tools** | Maven |
| **Continuous Integration Tools** | Jenkins |
| **Browsers** | Internet Explorer, Firefox , Chrome & Safari |
| **Operating Systems** | Windows Variants, Unix |

**Professional Experience:**

**Client: Munson Healthcare, Traverse City, MI Jan 2018 – Till Date**

**Role: QA Automation Engineer**

**Responsibilities:**

* Gathered requirements and application information from Business Area Managers (**BAM**) and Subject Matter Experts (**SME’s**) and developed test cases.
* Involved in design and implementation of **Selenium WebDriver** automation framework for smoke and regression test suites (TestNG and Maven).
* Developed and implemented robust MVC Pattern base testing with Selenium WebDriver which cut down the script development time in half.
* Responsible for the testing requirements to support the implementation of the Health Enterprise MMIS project.
* Involved in the full HIPAA compliance lifecycle from gap analysis, mapping, and implementation and testing for processing of Medicaid Claims.
* Identify dependencies, risks, and defines the overall strategy for testing complex systems or applications
* Performed testing for Medicare, Medicaid claims for Medicaid Management Information System (MMIS).
* Involved in preparing test strategies for client side verifications and validations.
* Involved in automating test cases using Selenium WebDriver with TestNG.
* Experience in Identify dependencies of System application including risks, and defines the overall strategy for testing systems
* Worked on configuration of claims processing applications, claim adjudication process, claims management process, real time claims adjudication, Electronic Medical Records / Electronic Health Records (EMR/EHR) and Medicaid Management Information System (MMIS), and Medicaid Information Technology System (MITS).
* Involved in gap analysis and implementation of HIPAA 5010, ICD 10 and Claim Validations.
* Used automated scripts and performed functionality testing during the various phases of the application development using Selenium.
* Used TestNG Framework performed unit testing. Used **Eclipse IDE** executed and tested various functional modules in Java code using assertion.
* Developed automated tests in partnership with developers for continuous regression testing and reducing manual testing using **Selenium, TestNG and Maven**.
* Used **Maven** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Involved in testing the application utilizing the **Scrum (Agile)** methodology.
* Involved in **functional testing**, **black box testing**, **negative testing**, **compatibility testing**, and **recovery testing**.
* Involved in testing compatibility of application for dynamic and static content under various cross browsers using HTML IDs and **XPath** in **Selenium.**
* Developed test code in **Java** using **Eclipse, IDE** and **TestNG** framework.
* Performed build acceptance testing and smoke testing using **Cucumber** automation tool.
* Involved in writing unique **XPath** using **firebug and fire path** to identify **web elements.**
* Implemented open source web test tool **Selenium WebDriver** for **cross browser** and cross platform web testing.
* Used **Selenium WebDriver** to test search results of Meta search engine.
* Involved in tracking and reporting defects using **Quality Center/ALM** and was also responsible for communicating the status to the development team.
* Verified Web services API requests, response data validations in REST protocols using Postman.
* Conducted **oracle** **database tests** by executing SQL queries to ensure the data integrity by checking various kinds of constraints.
* Tested request and response JSON based web services interfaces using Postman
* Developed and executed **SQL queries** to verify the proper insertion, deletion and updates into the Oracle supporting tables and cubes.
* Prepared user documentation with screenshots for UAT (User Acceptance testing).
* Participated in daily, weekly meetings and technical reviews. Prepared reports showing the testing efforts.

**Environment:** Selenium WebDriver, Java, TestNG, MMIS, Jenkins, Maven, POSTMAN, Cucumber, Soap UI, Eclipse, XPath, Firebug, Agile, SQL, Quality center, HTML, GitHub, TDD, Windows 7.

**Client: Byline Bank, Chicago, IL Jun 2017 – Dec 2017**

**Role: Test Automation Engineer**

**Responsibilities:**

* Interacted with Project manager, business analysts and developers to understand the application design and functional specifications.
* Effectively implemented different QA methodologies/policies, strategies and plans in all stages of SDLC.
* Designed and Developed Test Cases for automated testing using Selenium, TestNG and Eclipse IDE.
* Integrated Automation scripts (Selenium WebDriver API) in **Continuous Integration tools (Jenkins) for** nightly batch run of the Script.
* Created automated **Test** **Suite using Selenium and WebDriver.**
* Performed the White box testing using **Java.**
* Performed **white box testing** using **TestNG** for class, method, & web services testing.
* Used Selenium **WebDriver** **API** to automate tests on **cross browser** and **cross platform** environment.
* Automated code downloads and email notifications using **UNIX Shell scripts**.
* Develop Python scripts to automate the test cases.
* Design and prepared test plans for White Box Test Approach & Test cases.
* Responsible for fixing and maintaining regression automation test scripts for end to end testing using **Selenium WebDriver** (using **Java**).
* Wrote test cases, implemented ran and added versions and iterations using Test Manager for **positive, negative** and **END-TO-END** Test cases.
* Worked in RESTful API services with Google maps for a power outage and location gathering for secure authentication verification performed API testing using **POSTMAN.**
* Developed Test Frameworks in **Selenium** for UI Regression Test Automation and when necessary, and potentially execute Unit Test Automation (Java/TestNG).
* Enter and maintain defect information in Defect Tracking System **JIRA.**
* Worked with designing and building automation frameworks in **Cucumber BDD.**
* Performed Regression testing of applications after defects are fixed and any new functionality is implemented in to the QA. Supported the Business team for executing **UAT test cases**.
* Automate Rest API/Web Service using **SoapUI** & **Postman tool.**
* Performed Database Change Verification testing using Oracle-Toad and SQL queries.
* Involved in estimation and preparation of test case scenarios and test plan documentation for validating and reporting.

**Environment:** Java, Selenium WebDriver, TestNG, Soap UI, POSTMAN, Cucumber, Web Services, JIRA, Jenkins, JavaScript, HTML, Maven, SQL, GitHub, MS Office Suite, Windows.

**Client: Beauty Brands, Lenexa, KS Jan 2016 – May 2017**

**Role: QA Engineer**

**Responsibilities:**

* Worked closely with development team in creating automated scripts for the application using **Selenium.**
* Effectively implemented different QA Methodologies/ Policies, Strategies and plans in all stages of SDLC.
* Prepared Test strategy and Test Plan for each Release cycle.
* Involved in setting up configuring the testing environment with **Eclipse, Selenium WebDriver and Selenium Java client driver**.
* Developed and executed the test scripts with **Selenium** and **Java**.
* Developed **Maven** Build scripts to run Sanity Test scripts developed in **Selenium WebDriver.**
* Wrote automation scripts in **Quality Center** for System, Functional and Integration Testing.
* Worked on Selenium GUI Object / element verification is done through **XPath, CSS Locators.**
* Converted all record and play back test cases into **Selenium** automated scripts.
* Developed **Requirement Traceability Matrix** (RTM) to ensure appropriate level of test coverage.
* Enter and maintain defect information in Defect Tracking System, **JIRA**.
* Created and executed database queries (SQL) to validate database data integrity.
* Worked with appropriate development and technical support teams to triage, assess and solution.
* Worked closely with different functional team including Development, QA, Sales and Business.

**Environment:** Java, Selenium WebDriver, Eclipse, HTML, Eclipse IDE, Agile, XPATH, JIRA, XML, Windows.

**Client:** **Dovenmuehle Mortgage, Lake Zurich, IL Mar 2014 – Dec 2015**

**Role: QA Tester**

**Responsibilities:**

* Created test plans and test cases in concert with system engineers and web designers.
* Involved validating sites across browsers and operating systems, the accuracy of links, visual presentation and its alignment with design specifications, and database updates.
* Tested the application manually prior to automation for functional testing.
* Performed Manual performance testing to identify various critical points in the application.
* Created Test Cases Test Plans and Test labs using **Quality Centre.**
* Prepared Test Strategy to identify the overall approach for testing.
* Performed the **Manual Testing** of the application before switching over to the **automation** phase.
* Performed Manual Testing to check flow of the application.
* Performed Functional, Integration, System, GUI, Cross Browser compatibility, Ad- Hoc Testing.
* Prepared Test Cases with the complete description of requirements, uploaded test cases and report results into **Quality Center.**
* Coordinated the walkthrough and kickoff meetings with developers and project managers.

**Environment:** Java, Manual Testing, Quality Center, HTML, CSS, Java Script, Oracle, SQL, Windows.