**krithin kumar**

**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.
* Extensive expertise in using automation tools QTP, Rationale Jazz Suite, Selenium, UFT
* 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**.
* Utilize ultimate test automation tools(Selenium, QTP)
* 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 14 – Till Date**

**Role: QA Automation Engineer**

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.

**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.**
* Applied automation tools such as QTP, Rationale Jazz Suite, Selenium, UFT
* 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, QTP, Cucumber, TestNG, Maven, Eclipse IDE, XPath, Firebug, Firepath, SOAP UI, DOM, HTML, JQuery, JavaScript, CSS, Scrum, SQL,UFT, Oracle and Windows.

**Cigna Healthcare, Raleigh, NC May 13 – Sep 14**

**Role: QA Automation Engineer**

**Description:** CIGNA Healthcare provides quality health insurance at affordable prices. The project at Cigna was a data ware housing project, which included the warehousing of data from ACES, FACETS and NASCO source systems into the target data warehouse

**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.
* Enhanced the script using Synchronization Points in QTP.
* 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.**
* Worked with local and shared Object Repository in QTP.
* 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.
* Created the QTP Reusable Functions for handling various Tasks of QTP Automation.
* 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.
* Integrated QTP with Quality Center.
* 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, QTP, SQL, Oracle and Windows.

**Wellcare Health plans, Inc., Tampa, Florida July2012-Apr 2013**

**QA Analyst**

Wellcare Health Plans, Inc. is one of the well-known health insurance companies. They provide managed care services targeted to government-sponsored healthcare programs.

**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 July 10 – June 12**

**Role: QA Engineer**

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.

**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.
* Updated and Parameterized automated Test Scripts in QTP.
* 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, QTP, HTML, SQL, Quality Center, Oracle and Unix/Linux.