**Sai Kiran singh**

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**Professional Summary:**

* 7+ years of diverse experience in the Information Technology industry with a focus on Software Quality Assurance (QA/Software Testing) activities.
* Experience in all stages of the **Software Development Life Cycle** and **QA Life Cycle** andin all dimensions of Functionality, Usability & Reliability.
* Proven ability in designing and creating automation frameworks for J2EE based applications using **Java, Junit/TestNG, Selenium WebDriver/RC/IDE, ANT/Maven, Jenkins/Hudson, Jbehave/Cucumber, Quality center, and SOAP UI.**
* Good experience in creating automation framework along with developing, executing and maintaining automation testing script with **Selenium WebDriver.**
* Experience in developing Java based library to read test data from XML & Properties files using **Junit/TestNG and Selenium WebDriver.**
* Proficient in creating automation script from **scratch**. Extensive knowledge of developing different type of **framework** like **Modular,** **Data driven** and **Hybrid** framework by using **Junit/TestNG.**
* Experience in testing web based applications using **Selenium WebDriver, Selenium RC, Selenium IDE**.
* Experience in using **Jenkins/Hudson** as a Continuous Integration server to configure with **Ant/Maven**.
* Expertise in preparing **Test Plans**, **Test Cases**, **Test Case Review, Test Case Execution**, **Automation Test scripts**, **Defect management, Defect Reports** and **Test reports**.
* Extensively proficient in Functional testing, Performance testing, Integration testing, GUI testing, Regression testing, Automation testing, Load testing, UAT testing and Security testing.
* Hands on experience in **GUI** testing using **Autoit.**
* Experience in **Functional Testing, Data Driven Testing, Load Testing** and **Validating WSDL** using **SOAP UI.**
* Experienced in providing the efficient locators strategy like **XPath and CSS to run WebDriver script** in stable condition.
* Experience in manual testing with expertise in **Whitebox, Blackbox Integration, regression, functionality**, User Interface (UI) and Performance testing.
* Good knowledge in UNIX environment and TCP/IP protocol suite.
* Experience with Assertions like Schema Compliance, XPath and SOAP responses.
* Good programming skills in **Java, Python, Oracle, SQL, and PL/SQL and experience in SQL Server and Oracle Databases.**
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using **Quality Center** , **JIRA**, **IBM** **Clear Quest, BugZilla etc.**
* Strong knowledge of **Software Development Life Cycle** **(SDLC)** methodologies such as **Agile, SCRUM and waterfall models and TDD.**
* Knowledge on networking protocols (TCP/IP Protocol suite) such as **TCP, FTP, SSL** and **HTTP.**
* Hands on experience in understanding Database Management Systems and writing **SQL** queries.
* Dynamic in working with all teams involving Developers, Business Analysts, Product team and Client Support teams for deliveries on time and budget with highest quality.
* Strong skills in Implementing Quality Assurance Standards, and Testing Methodologies for Large Enterprise GUI, and WEB applications using **Use Case Documents**, **Functional Specifications and Business Requirements.**
* Team player with good interpersonal skills, strong understanding of fundamental business processes, excellent Communication and Problem solving skills.

**Technical Skills:**

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| **Testing Tools** | Selenium WebDriver/IDE/RC, Quick Test Pro (QTP), Test Link, Test Manager, Jbehave, Cucumber, SOAP UI, XPath, TCP/IP |
| **Languages** | C, C++, Python, JAVA, Java Script, HTML, XML, |
| **Test Framework** | JUnit, TestNG, Data Driven Framework, MVC |
| **Build Tools** | Ant, Maven |
| **Continuous Integration Tools** | Jenkins, Hudson |
| **Processes** | Agile-Scrum, Waterfall |
| **Bug Tracking Tools** | JIRA, Quality Center (QC), Bugzilla |
| **Source Version Control Tool** | Subversion (SVN), Git |
| **Databases** | SQL Server, MS Access, Oracle, MySQL |
| **Operating Systems** | Windows (XP, Vista & 7, 8) , LINUX, UNIX |

**Professional Experience:**

**Client:** **Mitchell International, San Diego, CA. Sep 14 – Till Date**

**Role: QA Engineer**

**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 **(TestNG and Maven).**
* Setup the Automation framework using **Selenium WebDriver** to run test cases in multiple browsers and platforms.
* Developed custom libraries **for automation** using **JAVA &Selenium WebDriver**.
* Created Java based scripts for **Selenium WebDriver** with **TestNG** as automation framework.
* Developed automated tests in partnership with developers for continuous regression testing and reducing manual testing using **Selenium, TestNG, and Maven**.
* Involved in creation of automation framework in **Selenium** **WebDriver** using behavior driven approach like **Jbehave**, **Cucumber**. Extensively used **Page Objects design** and **page navigation** framework for readable test script and easy maintenance from developer perspectives.
* Responsible for creating and maintaining automation acceptance test suite using **Selenium**, **Ruby** and **Cucumber** framework. Also responsible for converting automation scripts to new framework **using Selenium WebDriver, Java** and **TestNG**, **Sikuli.**
* Monitored the test execution in **Jenkins** once the code pushed into Continuous Integration.
* Used **Maven** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Tested compatibility of application for dynamic and static content under various cross browsers using **HTML IDs** and **XPath** in **Selenium**.
* Developing Scripts for UI automation using Merlot frame work which is developed using **Cucumber and Ruby** with **selenium** web driver.
* All the **Ruby scripting** done using cucumber framework Wrote and executed SQL queries to verify the data updates to various tables and ensure data integrity.
* Used **Selenium WebDriver** using TestNG and Eclipse for **automation in Hybrid model**.
* Extensively used Selenium (data-driven, XPath locator) and **WebDriver** to test the web application.
* Involved in Defect Management, Defect Review and Defect Status Reporting.
* Performed Regression testing on new builds, every modification in the application using **Selenium WebDriver.**
* Used **Firebug** for the web based application testing with selenium for the commands and locator application.
* Responsible creating the functional testing framework using TestNG and using **Selenium WebDriver** to automate the UI components.
* Created automation scripts in **Soap UI** using Groovy Script for web services testing.
* Used **SOAP UI tool** to test SOA based architecture application to test **SOAP services** and **REST API.**
* Performed Web Services testing with **SOAP UI** and Performed **Security Testing** for Employee login validations.
* Reported software defects in **Quality Center** and interacted with the developers to resolve technical issues.
* Analyzed test results, tracked the defects and generated reports using **Quality Center**.
* Involved in writing programming scripts in **TSL** and writing a number of User defined functions.
* Used Page Object Model, UI Mapping, Selenium Manager, Data Driven using CSV, CSS Selectors as a part of Framework.
* Doing White box Testing by verification of code, and correcting them.
* Performed SOA / web services testing using SoapUI; wrote adaptors to test / invoke web services.
* Performed Back end testing by writing **SQL statements like Join, Inner Joins, and Outer joins** and Self Joins used **TOAD and SQL Developer**.
* Actively participated in daily Scrum meetings and involved in bi-weekly Sprint releases.
* Used **ClearCase**, **Subversion** for code repositories and **Maven** for the dependencies.
* Used BugZilla for bug tracking and reporting, also followed up with development team to verify bug fixes and update bug status.
* Interacted with other external teams for environment/license issues, external services availability and work towards resolution.
* Participated QA weekly meetings and various other meetings and discussed Enhancement and Modification Request issues and defects in the application.

**Environment**: Java,C++, Selenium WebDriver, TestNG, Jenkins,Ruby, Maven, Soap UI, Cucumber, Eclipse, Scrum methodology, Quality Center, Firebug, XML, XPath, BugZilla, Oracle, SQL, UNIX, Windows.

**Client: Stanley Security Solutions Inc. Indianapolis, IN. Apr 13 – Aug 14**

**Role: QA Automation Engineer**

**Responsibilities:**

* Responsible for preparation of Test cycle/progress reports, analysis of defect metrics & implement improvement actions for next iterations.
* Performed different testing task using various **test scripts on Selenium WebDriver** and **Junit**.
* Developed test code in Java language using **Eclipse, IDE** and **Junit** framework.
* Involved in designing and implementing of **hybrid automation** framework to be used with **Selenium WebDriver**.
* Converted commercial **QTP Scripts** to open source Selenium **WebDriver scripts** to maximize the profits of the company without compromising Quality.
* Used **Java** language and **Junit** framework for scripting. Used **Ant** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Integrated Automation scripts (Selenium WebDriver API) in **Continuous Integration tools (Jenkins) for** nightly batch run of the Script. Created Project plan on **Jenkins**, configured scheduled using **Cron** job.
* Designed and executed the Automation Test Scripts using Selenium WebDriver and Junit.
* Used Selenium **WebDriver** API and Flash Monkey API to write automation script and run Flex designed site.
* Extensively used Selenium (data-driven, XPath locator) and **WebDriver** to test the web application.
* Designed and Developed **UAT Regression** automation script and Automation of functional **testing framework** for all modules using **Selenium and WebDriver**.
* Performed Data driven testing using Selenium WebDriver, Junit functions and JDBC Connections which reads data from scripts using property and XML files.
* Performed **Smoke Testing to make sure all the Test Channels and Test Environment** is working as desired.
* Used **Selenium WebDriver** used to test search results of Meta search engine.
* Responsible for fixing and maintaining regression automation test scripts for end to end testing using **Selenium WebDriver** (using **Java**).
* Writing feature files using **Cucumber** and implementing step definitions in Ruby with selenium web driver using **selenium** page object model.
* Primarily responsile for over all Functionality Testing, **White Box testing, Black box Testing,** System testing, and primary point of contact for User Acceptence Testing.
* Involved in Web Services Testing using **SOAP UI.**
* Performed data driven testing by using JDBC as a data source in **SOAP UI** and configured SQL queries to fetch data from the Oracle database.
* Involved in testing Web services and XML with tool called **SOAP UI** and using this tool to locate WSDL file on internet, create Test cases and run them
* Identified defects in system testing, end to end testing regression testing, UAT testing, logged these defects using rational clear quest with proper severity and priority and performed defect life cycle.
* Developed script and performed **WebServices** testing using **SOAP UI** pro tool for functional and regression testing.
* Involved manual testing of various test cases with respective test scripts on Selenium and generate analysis report with **Quality Center**.
* Responsible for Setting up Web Services project using WSDL in SOAPUI and provided setup help to other team members.
* Tested compatibility of application for dynamic and static content under various cross browsers using **HTML IDs** and **XPath** in **Selenium.**
* Data Validation and testing using **SQL and PL/SQL** with Oracle and Toad also **JDBC**.
* Conducted **backend testing using SQL queries** to validate data for database and Used **SQL queries** for retrieving data from database for executing user specific test cases.
* Defect logging and tracking using Mercury Quality Center (QC) and updated the test defects status with results.
* Involved in testing of web application by creating XML test suite.
* Utilized BugZilla web based bug tracking system to report software anomalies and defects
* Closely involved with development team, maintenance team and business team regarding changing **requirements,** **builds and releases**.

**Environment:** Java,Agile, Selenium WebDriver, JavaScript, Jenkins,Ruby**,** Junit, XML, DHTML, XPath, HP Quality Center, SOAP UI, ANT, SQL, ClearQuest, Eclipse, BugZilla, SQL, Oracle, UNIX, Windows.

**Client: Atlantic Coast Financial Corp, Douglas, GA. Jul 12 – Mar 13**

**Role: QA Engineer**

**Responsibilities:**

* Analyzed the user requirements, functional specifications and used Case documents for Functional testing.
* Developed Selenium test scripts for identified test cases by using data driven, keyboard driven and hybrid framework.
* Created functional automation scripts for the report generation module using tools Selenium RC and Junit.
* Involved in using **Selenium RC** and writing Selenium tests through **Eclipse/Selenium IDE** including Quality Center.
* Involved in Web Services Testing using **SOAP UI.**
* As part of compatibility testing, executed the workflow manager web application related test cases on different browsers different Operating Systems.
* Involved in verification of Frontend GUI Objects and elements.
* Worked with deployment team to create nightly automation regression execution builds.
* Involved in writing **SQL** Queries for backend testing
* Knowledge of writing **Junit** tests using Junit framework.
* Extensively tested customer’s payments are sent directly to your commercial bank account using the latest security technology.
* Involved in weekly walkthroughs and inspection meetings, to verify the status of the testing effort and the project as a whole.

**Environment:** Selenium RC, Junit, Soap UI, XPath, Eclipse, Quality Center, Firebug, UAT, SQL, Oracle, UNIX, Windows.

**Client: Huntington Bank Columbus, Columbus, OH. Nov 11 – Jun 12**

**Role: QA Engineer**

**Responsibilities:**

* Worked closely with business analysts and developers for thorough requirements review and developing test scenarios.
* Involved in setting up configuring the testing environment with **Eclipse, JUNIT, Selenium** **RC and Selenium Java client driver**.
* Developed System Test Cases and procedures to test various application points.
* Initially involved in creating a Manual Test Cases in Quality Center. Tests were grouped into test plan and executed. Results were recorded and published to management.
* Involved in Look and Feel testing of the application windows using the deliverables.
* Created Data Driven scripts for adding multiple customers, checking online accounts, user interface validations, reports management, etc.
* Performed Web Services Testing and XML validation by creating test case suite using Soap UI.
* Performed Data Driven Testing of the web service using Data Source and Data Loop.
* Validated soap response using various Assertions such as XPath, Contains, SOAP Fault, Schema Compliance etc.
* Created Test Sets to do Functional and Data Driven Testing on the Web Services.
* Performed **Database Testing** by passing **SQL Queries** and retrieved information from Database.
* Ran SQL queries to perform Backend Testing.
* Quality Center was used as the overall Test Management Tool, where scripts were located and stored under respective Project Folders.
* Performed Defect tracking in QC. Defects were linked via traceability to specific test case.
* Attended project meetings, release meetings and QA status meetings.

**Environment:** Selenium RC, Junit, Soap UI, Quality Center, Eclipse, XML, HTML, MS Word, MS SQL Server, MS Excel, Windows.

**Company: Trilogy, India. May 08 – Oct 11**

**Role: QA Test Engineer**

**Responsibilities:**

* Designed the test cases and developed test scripts using **Java and Selenium.**
* Used Junit framework for test cases Performed Black Box and Unit testing using Equivalence Partitioning analysis.
* Involved in providing the Testing Effort estimates and provided the timely feedback on progress of the testing activity.
* Recorded and plays back test in Fire fox using **Selenium IDE.**
* Used Firebug Tool to identify the Object’s id, Name, XPath, link in the application.
* Added annotations to the test. (Selenium).
* Tests developed in Eclipse to start and to stop the **selenium server** and to execute the tests in browser.
* Examine the results of test to pinpoint defects in the application.
* As part of compatibility testing, executed the workflow manager web application related test cases on different browsers like Internet Explorer and Mozilla Fire Fox on different Operating Systems (validation).
* **SQL** Queries for backend testing.
* Used **Quality Center** as Test Repository for Requirements, Test plans.
* Successfully Completed User Acceptance Testing (UAT) on each release of the project with the help of end user requirements.
* Involved in weekly walkthroughs and inspection meetings, to verify the status of the testing effort and the project as a whole and leading offshore team.

**Environment:** Java, Selenium RC/IDE,HP Quality Center, Junit, JavaScript, XPath, Eclipse IDE, SVN, Firebug, SQL, Windows XP.

**References:** Will be provided upon request