**Sukruthi**

**PROFESSIONAL SUMMARY:**

* 7+ years of experienceasQuality Assurance Engineer in **e-Commerce, Retail, Industrial Automation, Manufacturing and Logistics domains.**
* Strong experience in Manual, Automation and Performance Testing of client Server and Web based Applications.
* Experience in **developing Test Plans, Test Cases** based upon the **business requirements**.
* Contributed to all phases of **SDLC** methodology from requirements gathering through **analysis, design, development, testing and maintenance**.
* Extensive experience in analysing, reviewing and understanding of Business/Functional and Testing requirements and writing **Test Plans, Test Strategy, Test Scripting, creating Test Scenarios, analysing results and preparing result summary report.**
* Working knowledge on **TestNG, JUnit** and **JBehave** based Automation test framework using **Selenium RC and WebDriver.**
* Extensive knowledge and experience of **Selenium IDE**, **Selenium Web driver**, **Selenium Grid** using Core Java for developing automation scripts in **Eclipse IDE**.
* Experience in **Cross Browser** and **Platform Testing.**
* Extensive working experience on different browsers like **Firefox, Google Chrome, Internet Explorer, Safari and Opera.**
* Experienced in designing conceptual, logical and physical data models of **Online Transactional processing (OLTP**) and **Online Analytical Processing (OLAP) systems** using **ERwin**tool.
* Expertise in **Selenium automation** using **Selenium WebDriver**with **TestNG.**
* Expertise in automation regression testing, integrating automated test cases to validate **integration testing**,**system testing** and **UAT (User Acceptance Testing).**
* Hands on experience in design and developing frameworks like**Page Object Model, Keyword driven, Hybrid**.
* Experienced on **Test Runner** Class using Cucumber options for creating Test Report, and format option in HTML format.
* Experience in working with **XPath**, **Firebugand FirePath** extensively to retrieve elements location information.
* Hands on experience in **Object Oriented Concepts** mainly **Inheritance, Polymorphism, Abstraction**.
* Experienced in **white box testing** using **JUnit 3/ 4, Test NG frameworks**.
* Experience on Build Management tools like **Maven.**
* Exposure to continuous integration tools like **Jenkins** and **Hudson**.
* Strong knowledgeon Version Control Tools like **CVS, SVN** and **GitHub.**
* Proficient in overall Defect Management/Problem solving including tracking bugs and reporting using **Quality Center and JIRA.**
* Good exposure in **Mainframe technologies**.
* Experience with Mobile Compatibility testing and Mobile application testing – **iPhone, iPads /tablets**
* Strong ability to create test cases using testing techniques including **positive** and **negative** testing, **boundary** value analysis.
* Efficient in monitoring and maintaining issue tracking systems.
* Efficient in Implementing **STLC (Software Testing Life Cycle)** and **Bug Life Cycle.**
* Proficient at decomposing requirements and developing test automation for all type of projects.
* Wrote**SQL queries** for **database testing** to analyse how back-end component interacted with front-end and business logic components of the product.
* Good experience in migrating the projects from **Selenium Remote Control** to**WebDriver.**
* Extensive working knowledge in **UNIX**and **Windows** platforms.
* Extensive working knowledge in **VI editor** to update configure file and check text based data file.
* Extensively worked on **Error Handling Scenario’s** using Quick Test Professional.
* Attention to detail, self-motivating and enthusiastic to work in a fast paced environment with new technologies as an individual and/or as a team member.
* Can communicate well with clients, team members and project managers.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Testing Tools** | Selenium IDE/RC/WebDriver/GRID, Quick Test Pro (QTP), Test Link, Test Manager, JUnit, TestNG, JBehave, Cucumber, JIIRA, SOAPUI, Bugzilla, Jenkins |
| **Languages** | C, C++, Java, JavaScript, .NET, SQL and PL/SQL, HTML, CSS, XML, UML’s, iOS swift(beginner),Python(beginner) |
| **IDE** | Eclipse, SQL Developer |
| **Build Tools** | Ant, Maven |
| **Continuous Integration Tools** | Jenkins, Hudson |
| **Web Debugging Tool** | XPath, Fire path, Firebug, Web debugger |
| **SDLC Processes** | Agile-Scrum, Waterfall, V Model |
| **Databases** | SQL Server, Oracle, MySQL |
| **Operating Systems** | Windows Variants, UNIX, LINUX |

**PROFESSIONAL EXPERIENCE:**

**Client: International Monetary Fund, Washington, DC. Feb’2015 – Till date**

**Role: Sr. Automation Engineer**

**Responsibilities:**

* Reviewed project artifacts, analyzed Requirements, designed the **test plan** and provided **weekly status report** that includes **testing metrics**, **test logs** and **test summary reports.**
* Worked on **Agile** software development environment where testing is performed in each sprint.
* Defined the test criteria and base lined the **Test Plan**from project meetings and walkthroughs.
* Performed **Regression Testing, Functional testing** for web based application.
* Involved in manual and automated testing using **Selenium WebDriver.**
* Used **JIRA**to store all testing results, metrics, implemented test plan document, created test cases, **defect tracking and reporting**.
* Created custom **XPath** for identifying Dynamic Objects and used them in Selenium.
* Developed**Traceability matrix** to increase the test coverage.
* Developed and maintained the automated regression test suite in **WebDriver** using **Java**.
* Used **JIRA** for **Test Planning, Test Execution and Generating Reports**.
* Performed full automation suite for every Release and analysed the root cause of failed scripts.
* Involved in peer **test case reviews, escalations, defect tracking and reporting.**
* Used **Maven** framework and **TestNG** for reporting the automation test cases result.
* Responsible for website user interface and call handling test cases along with **AgentScripting**.
* Excellent analytical and programming abilities in using technology to create elegant, flexible and maintainable solutions for complex testing problem.
* Worked on **Cross Browser and Cross Platform** testing through **Selenium WebDriver** by testing the website on different browsers like **Google Chrome, Internet Explorer and Firefox.**
* Performed **Database Validation and Integration Testing** using **SQL.**
* Test Services web for **integration**.
* Worked on Code quality and analysis tool **SonarQube** and published the results with the team.
* Used **CheckStyle and PMD** to check the code as of Java Standards.
* Experienced in Design**,** Develop, Execute and MaintainAutomated TestScriptsusing by **BDD(Behaviour Driven Development) and TDD(Test Driven Development)**testing framework using **Cucumber, Java, TestNG**and have clear concept about the **Gherkin Language.**

**Environment:***Java 1.7, J2EE,JavaScript, Selenium WebDriver 2.44.0, TestNG,Oracle*9i/10g*, Eclipse 4.3,Maven, JIRA 6.2, SonarQube, CheckStyle, PMD, Mozilla Firefox, Google Chrome, Internet Explorer, Safari, Opera, Firebug, FirePath, XPathchecker,Microsoft Office, Windows, MAC OSX and Fedora Linux.*

**Client: Phillips66, Bartlesville, OK. Dec’2013 Jan’2015**

**Role: Sr. Quality Analyst**

**Responsibilities**:

* Analyze business requirements, Software requirement specifications to create **test plan and test cases** for manual and automation testing using **Selenium Web Driver, JUnit.**
* Automated the complete set of **functional test cases using Selenium WebDriver** to ensure correctness of new source code in an **agile development framework**.
* Participated in Daily Scrum meeting, Stand-up meeting, walkthrough meeting, weekly assessment meetings with business analysts and developers.
* Creation of data files required during the execution of **Load Testing scenarios**.
* Used **Selenium WebDriver** with **Java** plug-in to generate automated test scripts for **functional testing, GUI testing** and enhancing the existing scripts.
* Contributed in developing **Automation Framework that uses Java, Selenium WebDriver and JUnit.**
* Involved in Web Service testing and validating the **XML files**.
* Performed **Manual Back End testing** by writing **SQL, PL/SQL** statements on **Oracle 9i/10g and TOAD**.
* Extensive experience in coordinating testing effort, responsible for test deliverables, status reporting to management, issue escalations.
* Logged the bugs found during testing into **Quality Center**.
* Enhanced **regression** test cases to implement complex testing scenarios, increased permeations of functionality testing, and increased code coverage using **Selenium WebDriver**.
* Used **Quality Center** for **Test Planning, Test Execution and Generating Reports**
* Involved in providing the Testing Effort estimates and provided the timely feedback on progress of the testing activity.
* Conducted **System Testing, Regression testing, GUI Testing and Cross Browser compatibility testing** during the releases and interacted with the developers to resolve any technical issues.
* Created **traceability matrix** and mapped requirements to Test Cases.
* Created high level scenarios and test cases using **Microsoft Test Center**.
* Developed scenario based testing for the **Apache JMeter** scripts.
* Strong knowledge of **Software Development Life Cycle (SDLC)** as well as **Software Testing Life Cycle (STLC)**.
* Improved the efficiency of the test team members by **periodic review and KT.**
* Used **Selenium Grid** to run parallel test on different browser and OS configuration.
* As Selenium test Engineer, involved in **plan & perform testing, verification & validation, and quality assurance** of the Sprints.
* Participated in the release plan for the application.

**Environment:***Java 1.6, JavaScript, J2EE,Selenium WebDriver2.43.0, JUnit 3.8, Microsoft Test Center, HP Quality Center, Oracle, Apache JMeter, Eclipse 3.6, Maven, Mozilla Firefox, Google Chrome, Internet Explorer, Opera, Safari, Firebug, FirePath, XPath checker, Microsoft Office, Windows and Fedora Linux.*

**Client: Chelsio Communications, Sunnyvale, CA July’2012 – Nov’2013**

**Role: Quality Assurance Analyst**

**Responsibilities**:

* Analyzed requirements provide testing scope and proposed the testing methodologies.
* Developed test cases, test scenarios and test data according to specifications.
* Automated the complete set of functional test cases using **Selenium WebDriver** to ensure correctness ofnew source code in an **agile development framework**.
* Executed Test Scripts and maintained **VB scripts** using **Quality Center**.
* Have created complex XPath expressions with the help of **XPath 1.0 library**.
* Used **Bugzilla** for **Bug Tracking, Bug fixing**, and **Bug Reporting.**
* Tested web services based on Data and functions by **SOAP UI**.
* Performed functional test automation and execution processes in a web environment using **data-driven** development with **Selenium WebDriver.**
* Validated **Web Services (WSDL)** by setting up request, and validating response to perform parameterization, service mocking, functional and security testing.
* Prepared **Tool Mentor** documentation & PowerPoint presentation of **Quality Center** for the client and for the team members.
* Reported regarding the tracked defects with reference to severity and types according to development team needs.
* Prepared detailed **Test Metrics** on a weekly basis for the projects to know the status of the Testing.
* Performed **Input Validations, User Interface Validations, Browser Compatibility testing** and **Navigation testing.**
* Maintained and executed **ANT build files** for running automated test cases along with **Continuous Integration**tools like **Hudson**.
* Verified the download files functionality in **Selenium WebDriver using Wget program**.

**Environment:***Java 1.6, JavaScript, Selenium WebDriver, JUnit 3.8, Oracle, ANT,Hudson, Maven, Bugzilla,Eclipse 3.7,SOAP UI, HP Quality Center Mozilla Firefox, Google Chrome, Internet Explorer, Firebug, FirePath, XPath checker, Microsoft Office, Windows and Fedora Linux.*

**Client: Zensar Technologies, Princeton Nov’2011– June’2012**

**Role: Junior Test Engineer**

**Responsibilities**:

* Analyzed Client Requirements, Functionality and preparing the Test Data for Test Cases.
* Analysed and attended Change Request meetings to document changes and implemented procedures for test changes.
* Responsible for **Regression** Testing, **Functional** testing for web based application.
* Responsible for making Business Process mapping documents to make team understand are being followed and what/how systems are linked.
* Exported Test case Scripts (Java-Selenium) from **Selenium IDE**to Java and modified the selenium scripts and executed.
* Performed functional testing of individual modules Easy Access application on **iOS, Android, Blackberry OS, Windows OS operating systems**.
* Launched and monitored**Selenium RC nodes** across platforms with different browser instances.
* Developed **page library** as part of modular framework implementation in automation.
* Create property files to store all the **object locators (XPath/ name/ id/CSS locator), file path, test site URL** and use them in the **Selenium Framework.**
* Create custom **XPath** for identifying Dynamic Objects and use them in **Selenium**.
* Experienced on **Step Definition** files, implementing actual Java code by **Selenium RC**.
* **Log, track, and verify resolution** for all software and specification defects in **Quality Center**.
* Verified requirements coverage by conducting walkthrough meetings of Test plan and scenarios with businessAnalysts, project manager and test supervisors.
* Used different Java classes for file manipulation like Importing and Exporting Excel, Read/Write operations using **Apache POI framework**.
* Developed test automation scripts using Selenium for **Activation testing**.
* Experienced in working both **UNIX & Linux environment** to analyze log file & to monitor process.

**Environment:***Java 1.5, Selenium WebDriver, Selenium RC 2.21.0, jQuery 1.1.3, TestNG, Eclipse 3.7 and Fedora Linux, SVN, Mozilla Firefox, Google Chrome, Internet Explorer, Firebug, Microsoft Office, Windows and Fedora Linux.*

**Client: AXIS Bank, India. March’2010 – Oct’2011**

**Role: Associate Developer**

**Responsibilities**:

* Created Master Test plan, Test strategy, critical scenarios and Test Scripts and schedule for testing.
* Documented **Test Cases** for different activations and work on adding them using the existing automation framework.
* Once scrum comes to agreement on acceptance criteria, started writing selenium scripts using **JUnit.**
* Executed the Test Cases to verify actual results to expected results.
* Involved in design and development of web interface using **HTML, CSS, JavaScript** and **JSF**.
* Responsible for developing and maintaining all the **entity EJBs** and **session EJBs**.
* Project management activities like preparing status report from offshore team, test evaluation summary reports and sending it to the Client.
* Develop and maintain the **QA management tool** for project and design issues.
* Involved in Security testing of the system to assess vulnerabilities.
* Created whole test framework using **Selenium** for further test creation and execution.
* Created all types of test resources such as **function libraries**, **data tables, shared repositories, environment variables** and **recovery scenarios**.
* Created a **HTML based reporting** for each automation run.
* Participated in a test automation tool selection process for an automated component testing harness in a **Java**environment.
* Participated in Daily Scrum meeting, Stand-up meeting, walkthrough meeting, weekly assessment meetings with business analysts and developers.

**Environment:***Java 1.5, HTML, CSS,JavaScript, JSF, QTP, jQuery 1.1.3, JUnit, Eclipse 3.4 and Fedora Linux, SVN.*

**Client: Sree Daksha IT solutions, India. Sep’2008 – Feb’2010**

**Role: Junior Developer**

**Responsibilities**:

* Involved in complete life cycle of design, development, testing and deployment of application.
* Developed presentation/view layer components using **HTML, JSF 2.0, and JavaScript**library jQuery.
* Implemented transferring of **XML** data to the database using **JDBC** for additionalservices of the application.
* Developed the business module using J2EE technologies like **servlets**.
* Written **SQL queries, stored procedures, functions and triggers** in **PL/SQL**.
* Configured and used **Log4J** for logging all the debugging and error information.
* Created **Use Case diagrams, Class diagrams and Sequence diagrams and Object diagrams** in the detailed design phase of the project using **Rational Rose 4.0** underteam lead guidance.
* Used **SVN Repository** for Version Control.
* Published test plans,**JUnit test cases** and test suite for testing the application.
* Worked on De-bugging and bug fixing problems raised by QA team and fixed the issues.
* Contributed to email communication through JAVA application using **Java mail** API for notification purposes.
* Used **IDE Eclipse 3.1** for building business components.

**Environment:** *Java 1.5, JSF 2.0, J2EE, HTML, JavaScript, jQuery 1.1.3, JDBC 2.0, JUnit 3.8.1, Java Mail, Eclipse 3.1, Rational Rose 4.0, Ant 1.5, Oracle 9i and Fedora Linux, SVN.*

**EDUCATION:**

* **Bachelors of Technology** in **Information Technology,** India.