**Swapna**

**Email:** [**sbodhankar92@gmail.com**](mailto:sbodhankar92@gmail.com)

**Ph #: 865-408-8582**

**Professional Summary:**

* Over 7+ years in Information Technology as a QA Engineer/Analyst with experience in analysis, design, development and testing of Client/Server and Web Based Applications.
* Strong Knowledge and experience of all phases of **SDLC** (Software Development Life Cycle), and **QALC** (Quality Assurance Life Cycle).
* Experienced in SQA (Software Quality Assurance) including Manual and Automated testing with tools such as **Selenium Web Driver/IDE/Grid, HP Quick Test Professional, Junit/TestNG**, Load Runner, Quality Center, **JMeter,** JIRA, SOAP UI and Version One.
* Good experience on **Selenium Automation** using **Web Driver and Server**. Heavy programming using **Java, Maven, TestNG**.
* Experience in functional testing AUT using Selenium **IDE** and Selenium **Web Driver** using **TestNG/Junit** unit testing framework.
* Experienced with designing and building automation frameworks in support of continuous integration in a test driven development (TDD).
* Expert in integrating Automation scripts (Selenium Web Driver API) on Continuous Integration tools **Jenkins** fornightly batch run of the Script.
* Experience in Black Box testing, Functional Testing, System testing, Integration testing, Regression testing, Data Driven testing, Back End and Front End testing and User Acceptance testing.
* Experience in applying **Testing Methodologies**, creating **Test Plans**, Executing Test Scripts, **Automation of Test Cases**, **Defect Tracking** and **Report Generation**.
* Extensive experience in designing **Test Cases, Test Scenarios, Test Scripts** and **Test reports** of manual and automated tests.
* **Expert level knowledge in all modules of Quality Center** (Requirements, Test Plan, Test Lab, Dashboard and Defects).
* Good knowledge on **Object Oriented Programming** (OOP) concept. Extensively used Java and Ruby for test case automation.
* Proficient in using **Soap UI** for testingWeb Services andused various types ofassertions such as **soap fault, Contains, Soap not fault, X-path etc.**
* Demonstrated ability to work on **Work Flow Diagrams, Entity Relationship Diagrams, and Data Flow Diagrams.**
* Experience in bug reporting tools like **HP ALM,** **Bugzilla, and JIRA.**
* Well versed in different management scenarios like **Change Control, Quality Assurance, Defect Tracking, System Integration, and Task Scheduling.**
* Proficient in using basic **SQL queries** to perform back end testing for data integrity.
* **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:**

|  |  |
| --- | --- |
| **Automation Testing Tools** | Selenium IDE/RC/GRID/Web Driver, Junit, TestNG, Quick Test Pro, Quality Center, Soap UI, Cucumber, Test Director, Jenkins |
|  |  |
|  |  |
| **Performance Testing Tools** | Load Runner, JMeter |
|  |  |
| **Programming Languages** | C#, Python, Java, VB Script |
| **Web Technologies** | HTML, CSS, XML, AJAX, XSLT, SOAP, WSDL |
|  |  |
|  |  |
| **Source Code Control System** | Perforce, Subversion, TFS, VSS, GITHub |
|  |  |
| **Defect/Bug Tracking Tools** | HP ALM, Quality Center, JIRA, Bugzilla & TFS |
| **RDBMS** | Oracle , My SQL, MS SQL Server |
| **Operating Systems** | MS Windows 2000/XP/Vista/7, UNIX (Solaris), Linux (Red Hat) |
|  |  |

**Professional Experience:**

**Client: PNC Bank, Wooster, OH. Apr 17 – Till Date**

**Role: QA Automation 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 Web Driver** **automation framework** for smoke and regression test suites.
* Setup the Automation framework using **Selenium Web Driver** to run test cases in multiple browsers and platforms.
* Developed custom libraries **for automation** using **JAVA** and **Selenium Web Driver**.
* Created Java based scripts for **Selenium Web Driver with TestNG** as automation frame work.
* Developed automated tests in partnership with developers for continuous regression testing and reducing manual testing using **Selenium, TestNG and Maven**.
* Extensively used **Page Objects design** and **page navigation** framework for readable test script and easy maintenance from developer perspectives.
* Extensively used Selenium (data-driven, XPath locator) and **Web Driver** to test the web application.
* Used **Selenium Web Driver** using **TestNG** and **Eclipse** for **automation in Hybrid model**.
* Performed build acceptance testing and smoke testing using **Cucumber** automation tool.
* Implemented Automated execution of tests (nightly and need based) using **Maven and** **Jenkins**.
* Monitored the test execution in **Jenkins** once the code pushed into Continuous Integration.
* Involved in Defect Management, Defect Review and Defect Status Reporting.
* Performed Regression testing on new builds, every modification in the application using **Selenium Web Driver.**
* Used **Firebug/Fire Path** for the web based application testing with Selenium for the commands and locator application.
* Written automated scripts with **XPath** to identify web elements such that most of the browsers can be used.
* Involved in writing programming scripts in **Python** and writing a number of User defined functions.
* Performed **User Acceptance Testing** in the final phase of software development process to check the functionality of the software.
* Wrote test cases and performed Manual Testing like Positive Testing and Negative Testing, Regression, Integration, Unit Testing.
* Involved in developing test methodologies**, test plans** and **manual test cases** for the application and prepared **UAT test Plan.**
* Reported software defects in **HP ALM** and interacted with the developers to resolve technical issues.
* Analyzed test results, tracked the defects and generated reports using **HP ALM.**
* Actively participated in daily Scrum meetings and involved in bi-weekly Sprint releases.
* 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, Selenium Web Driver, Eclipse, Jenkins, Soap UI, Ruby, TestNG, Quality Center, SQL, XML, Maven, Shell Scripting, SQL, Oracle, Windows 7.

#### Client: Genscape Inc. Louisville, KY. Dec 15 – Mar 17

**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 Web Driver** and **TestNG.**
* Involved in designing and implementing of **hybrid automation** framework to be used with **Selenium Web Driver**.
* Converted commercial **QTP Scripts** to open source Selenium **Web Driver scripts** to maximize the profits of the company without compromising Quality.
* Used **Java** language and **TestNG** framework for scripting. Used **Maven** for building the Web Driver project.
* Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Used Selenium **Web Driver** API and Flash Monkey API to write automation script and run Flex designed site.
* Designed and Developed **UAT Regression** automation script and Automation of functional **testing framework** for all modules using **Selenium and Web Driver**.
* Performed Data driven testing using **Selenium Web Driver, TestNG** 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.
* Proven success in establishment of agile test practices including acceptance test automation using **Cucumber** during acceptance test driven development methodology.
* Responsible for fixing and maintaining regression automation test scripts for end to end testing using **Selenium Web Driver** (using **Java**).
* Used **Firebug and Firepath** to access webpage script variables.
* Used **XPath** and **DOM** to work with dynamic and static objects in Selenium.
* Extending Selenium automation test scripts using **Python.**
* Involved manual testing of various test cases with respective test scripts on Selenium and generate analysis report with **Jira.**
* Used **Jira** for bug tracking and reporting, also followed up with development team to verify bug fixes and update bug status.
* Involved in Web Services Testing using **SOAP UI.**
* 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.
* Created **Regression Document** to track and report testing activities during each phase of testing, including testing results, test case coverage, required resources, logged defects and their status, performance baselines.
* Closely involved with development team, maintenance team and business team regarding changing **requirements,** **builds and releases**.

**Environment:** Java,Selenium Web Driver, JavaScript, Jenkins, TestNG, Maven, Cucumber, Python, XPath, Firebug, FirePath, XML, DHTML, SOAP UI, SQL, JIRA, Oracle, Windows.

**Client: TD Bank, Cherry Hill, NJ. Jun 14 – Nov 15**

**Role: QA Engineer**

**Responsibilities:**

* Analyzed the user requirements, functional specifications and used Case documents for Functional testing.
* Used, **Selenium Web Driver, Java and Selenium Grid** to create nightly automation scripts.
* 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 Web Driver/Grid.**
* Involved in using **Selenium Web Driver** and writing Selenium tests through **Eclipse/Selenium IDE** including Quality Center.
* Used **Selenium Web Driver** and **TestNG** to run the parallel testing.
* Used **Selenium Web Driver** for writing test scripts for regression test coverage.
* Involved in providing the efficient locators strategy like **XPath and CSS to run Web Driver script** in stable condition.
* Reviewed Specified Business Documents and prepared Test Cases using Quality Center based on the requirements.
* As part of compatibility testing, executed the workflow manager web application related test cases on different browsers different Operating Systems.
* Developed **Maven** Build scripts to run Sanity Test scripts developed in **Selenium Web Driver.**
* Developed Automation scripts for new enhancements using **Selenium and TestNG.**
* Involved in verification of Frontend **GUI** Objects and elements.
* Used **Selenium Web Driver** used to test search results of Meta search engine.
* 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.
* Involved in testing compatibility of application for dynamic and static content under various cross browsers using HTML IDs and **XPath** in Selenium.
* Involved in defect management – Track all the defects raised, conduct defect meetings to update the status of all the defects on periodical basis, publish a consolidated list on weekly basis.
* Tested the soap based web services using **Soap UI.**
* 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 Web Driver/GRID, TestNG, Eclipse, Maven, CSS, Soap UI, XPath, Quality Center, Firebug, UAT, SQL, Oracle, Windows XP.

**Client: PlaySpan, Foster City, CA. Jan 13 – May 14**

**Role: QA Engineer**

**Responsibilities:**

* Worked closely with business analysts and developers for thorough requirements review and developing test scenarios.
* 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.
* Developed **Selenium** test cases using **Junit** framework.
* 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.**
* Responsible creating the functional testing framework using **Junit** and using **Selenium Web Driver** to automate the UI components.
* Involved in Look and Feel testing of the application windows using the deliverables.
* 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.
* 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 Quality Center. Defects were linked via traceability to specific test case.
* Attended project meetings, release meetings and QA status meetings.

**Environment:** Selenium Web Driver, Soap UI, Quality Center, XML, HTML, MS Word, MS SQL Server, MS Excel, MS Visio, Windows XP.

**Client: SunTrust Bank, Atlanta, GA. May 11 – Dec 12**

**Role: QA Analyst**

**Responsibilities:**

* Participated in gathering testing requirements by studying and analyzing use case (UC) documents and software requirements specifications (SRS) to determine testing scope.
* Developed Functions for framework dependent and application dependent.
* Review and Delivery of scripts.
* Worked closely with integrators to automation integration scripts for Regression and System suites.
* Involved in writing **Test Case** by using **Wireframe, Design docs and Acceptance criteria.**
* Drafted **Test Plan** which included **testing objectives, testing phases**, scenarios and test environment after a thorough analysis of the business rules.
* Identified software capability and reliability by conducting functional, system, and regression and performance tests.
* Documented and reported test outcomes by collecting, analyzing, interpreting and summarizing data to development team.
* Responsible for testing **Web Service** application.
* Creation of the Project plan, Test plan and Master Test plan.
* Developed scripts to generate scripts for Test data creation in both development and test region.
* Worked as defect coordinator for the complete project to maintain, assign defects to concern development and integration leads.
* Agile practices: Continuous integration, Collective ownership, Iterations.
* Involved in the implementation of agile QA processes and practices, including defect and test management
* Participated in daily Stand-ups, Demo Sessions and Planning Sessions as a part of Agile Testing

**Environment**:Manual Testing, Quality Center, SQL, Java, Eclipse, XML, MS Project, MS Access and Windows XP.

**References:** Will be provided upon request.