**Bhavya K**

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**PROFESSIONAL SUMMARY:**

* Over 6 years of experience in IT Industry mainly in performing Automation Testing, Mobile Application Testing and Manual Testing in wide variety of projects and environment.
* Experienced in reviewing and analyzing business requirements and writing detailed test plans, scenarios and test cases.
* Have experience working with **Selenium Web driver/RC/IDE, Core Java, Test NG, JUnit, Oracle SQL, Jenkins, Maven, Ant, Cucumber, Soap UI and HP ALM**for Automation testing.
* Hands on experience in Unit testing by using **Fire Path, Running scripts, Debugging scripts** in different environment, Extracting Test results, Cross browser testing, and data validation.
* Able to write Java **Test Automation** Script (.java) using **Java, Selenium**and **Web Driver** which does sanity testing on every deployment performed in QA Environment and sends Email Notification on failure.
* Performed Manual regression testing using **HP ALM** (QC) and Identifying test cases to be automated using **UFT.**
* Experience in working with open source tools such as Selenium (Selenium IDE, Selenium RC, Selenium Web Driver, and Selenium Grid), **SoapUI**, **Cucumber**, **JUnit**, **JIRA** and **HP UFT.**
* Proven ability in writing **JUnit** scripts and for JAVA projects automation.
* Good knowledge on **DevOps.**
* Conversant in using **Maven build tools** to manage framework dependency jar files and customizing **Selenium API** to **suit in-testing environment.**
* Executing **Selenium Test cases** and reporting defects. Expertise in performing **backend** data **validation/testing** using complex SQL queries to validate the completeness, integrity and accuracy of data.
* Experience in Creating and modifying Oracle objects in **PL/SQL**.
* Experienced in load and performance testing using tools like **JMeter** and **HP LoadRunner**.
* Work on **Appium** for App testing (Android/ I-phone). Developed **Appium** Scripts for Native Android/IOS Apps using Java.
* Identifying objects of App using UI Automation tool for Android and **Appium** Inspector for I Phone.
* Experienced in API Security testing.
* Experienced in **JDBC** Database testing with **Soap UI**.
* Experienced in **Parallel Execution of Multiple Tests** at a time in different environments.
* Experienced in Web based testing including **GUI Testing, Regression Testing, Integration Testing, System Testing, Performance Testing, Stress Testing, Functional Testing and Unit Testing**.
* Experienced in writing Selenium WebDriver automation scripts in **Java** for **cross browsing testing using Selenium TestNG parameters and groups.**
* **Selenium Screenshots** are used for **bug** reporting, analysis and exception debugging.
* Performed back-end testing by executing complex **SQL** queries on Oracle and **MS SQL** Server.
* Well Experienced in using Test Management tools such as **JIRA, Bugzilla** and **Quality Center(QC)** to track test progress, execution and deliverables.
* Hands on experience in using build and project management tools like **Ant, MAVEN** and Configuration management tools like **SVN, GIT**. Generated test logs using Log4j for various log levels.
* Proficient in building automation scripts by using Fitnesse, GIT and Jenkins tools for database testing needs.
* Performed review and analysis of **functional requirements** and test plan design documentation. Attended requirements and **design meetings.**
* Performed **Smoke testing, Functional testing, Regression testing, Integration testing, ad-hoc testing and black box testing** for improving product quality.
* Extensively worked on **Agile/ Scrum** methodology and management process.
* Proficient in coordinating with Developers in fixing Defects and ensuring **QA** processes.

**TECHNICAL SKILLS:**

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| **Testing Tools** | Selenium IDE/RC/Web Driver/GRID, Web driver Backed Selenium, QTP, Test Link, Test Manager,JMeter, Load Runner, SoapUI |
| **Languages** | JAVA, Java Script, HTML, XML, CSS, JSON |
| **Test Framework** | JUnit, TestNG, Cucumber, Data Driven Framework, Keyword Driven. |
| **Web Debugging Tool** | Xpath, Firepath, Firebug, Web debugger, |
| **Build Tools** | Ant, Maven |
| **Continuous Integration Tools** | Jenkins, DevOps CI/CD |
| **Web services** | SOAP, REST |
| **Processes** | Agile-Scrum, Waterfall |
| **Bug Tracking Tools** | JIRA, Quality Center (QC), Bugzilla |
| **Source Version Control Tool** | SVN, GIT, TFS. |
| **Databases** | Oracle 11g/10g, SQL Server, PL/SQL, MySQL. |
| **Operating Systems** | Windows, Unix, Linux, Mac. |

**PROFESSIONAL EXPERIENCE:**

**Role: QA Engineer**

**Client: American Express, New York City, NY Sept 2015 to Till Date**

**Project Description:**

It is world’s largest credit card issuer by volume. It is a Web Application, where customers can register multiple accounts with selective products and services.

**Roles & Responsibilities:**

* Analyze the business Requirements and closely work with the Business Team to get the clarifications addressed.
* Design, execute and maintained java based test scripts in **Selenium Web Driver** using automation framework **TestNG** for regression test cases.
* Develop **Data Driven Framework, and Data Driven Test** for certain Test Cases using Selenium Web Driver and implement Java Mail to send the results automatically.
* Responsible for executing **Selenium** test scripts and perform **Cross browser compatibility** testing on Chrome, Firefox, IE browsers using TestNG.
* Performed Selenium **Synchronization** using **Explicit & Implicit** waits.
* Integrated Automation scripts (Selenium WebDriver API) on Continuous Integration CI/CD tool Jenkins for nightly batch run of the script.
* Creating and modifying Oracle objects in **PL/SQL**.
* Performed **DevOps** on Linux platforms focusing primarily on Integration, configuration management and deployment automation in Dev/ Integration/ QA/ Pre-production/ Production environments.
* Developed automated scripts using **Selenium**for end-to-end and unit testing.
* Configuring the **Appium** for Mobile iOS native app using Selenium.
* Expertise in Testing Mobile native applications by using **Appium**, Java.
* Developed Selenium scripts in **TestNG** for parameterization using Data Provider annotation.
* Developed **Maven** Build scripts to run Sanity Test scripts developed in Selenium WebDriver.
* Worked on Data Driven Framework and **MVC** for Automation test scripts.
* Developed and deployed test Load scripts to do end to end performance testing using **JMeter**.
* Developed and maintain automation test scripts for client-server and web based applications using Java, Silk and other automation tools
* Designed data-driven testing framework in **Selenium** and captured data dynamically from web controls.
* Designed **Test Suite**, Test Cases, Test Scenarios for functional modules in Selenium and involved in the use of **Cucumber Step Definition**, **Scenarios and Features**.
* Executed the Selenium **automated regression test** cases during every release and also executed the daily **regression test suites.**
* Used Firebug/Fire Path and **DOM** to work with dynamic and static objects in Selenium.
* Used **SQL** queries to validate data in the backend database and connected **JDBC API** with **Selenium Web Driver** to retrieve database information.
* Highlight risks on deliverables on a daily basis with clients during **scrum** and worked with developers to reproduce bugs and resolve the usability issues to get the Business approval for **UAT.**

**Environment:**Java, Appium, Selenium WebDriver, Selenium Grid, DevOps, PL/SQL, TestNG, JDBC, JMeter, Jenkins, Oracle SQL, Eclipse, Firepath, Firebug CSS, HTML, Maven, SOAP UI, Cucumber, SVN.

**Role: Selenium Engineer**

**Client: Charter Communications, Charlotte, NC Oct 2013–Aug 2016**

**Project Description:**The enterprise management system in Charter communications was a fairly complex application with many modules. The various modules of the application were used by various departments for corporate communication, project management, customer and sales channel management, human resource management, accounting, knowledge & learning management, internal social networking, etc.

**Roles &Responsibilities:**

* Actively Participated in requirement gathering from end Users, Responsible for writing functional Specifications and design documents.
* Analyzed business requirements, system requirements, and data mapping requirement specifications interacting with client, developers and QA team.
* Performed manual and automation scripts development on **Agile** process.
* Involved in **SOAP based Web Services** Testing using **SOAP UI**
* Developed test scripts (Java-Selenium Web Driver) using **Eclipse** IDE.
* Performed acceptance testing using **Selenium WebDriver.**
* Cross browser compatibility testing is executed by testing web applications using **Selenium WebDriver.**
* Developed **test plans** and related **documents**, **test cases**, and **test schedules.** Implemented **java script** for client side validations.
* Developing and modifying **PL/SQL** packages, Procedures, Functions, tables, constraints and triggers.
* Developed required **Selenium** support code in **JAVA.**
* Designed and implemented load tests scripts using **JMeter** tool.
* Reported the bugs via Emails to the Developers using **JIRA.**
* Performed automated acceptance tests written in **TDD** (Test Driven Development) using **Cucumber**.
* 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 WebDriver.**
* Developed **Selenium** test cases using **JUnit** framework.
* Developed Automation scripts for new enhancements using **Selenium WebDriver.**
* Developed **Maven** Build scripts to run Sanity Test scripts developed in Selenium WebDriver.
* Modification and execution of Test Case Scripts (**Java**-**Selenium WebDriver**) in **Eclipse IDE**, design of automation test framework (**JUnit** and **Maven**).
* Used **Java** language and **JUnit** framework for scripting. Used **Maven**for building the **WebDriver** project.
* Integrated Automation scripts (Selenium WebDriver API) in **Continuous Integration** tools **(Jenkins)** fornightly batch run of the Script.
* Performed UI testing, Database testing after reviewing the story cards and database diagram.
* Used **SOAP UI** tool to located the WSDL file on the internet, create test cases, and execute test cases.
* Worked closely with development and project management teams for effective defect management and verify resolved **bugs and track enhancements** made to product.
* Extensively executed **SQL Queries** on database tables to verify the database.
* Involved in testing the database and data validationusing **SQL Queries**.
* Worked with developer to reproduce the bugs and to resolve usability issues during **UAT**.
* 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.

**Environment:** Selenium Web Driver, Jenkins, ANT, SOAP, PL/SQL, Cucumber, JMeter, Eclipse, SQL, Oracle, Java, JIRA, QTP (Quick Test Professional), UAT,QC (Quality Center), VBScript, Junit, Firebug, XPath, Windows 7/Vista/XP, UNIX.

**Role: AutomationTester**

**Client: Renault Nissan Technology and Business Center Pvt Ltd(RNTBCI)**

**Chennai,IndiaMay 2012–Sept 2013**

**Project Description:** The project included the information of sales, warranty and parts information of Nissan Europe. Data comes on daily,monthly and weekly basis.

**Roles & Responsibilities:**

* Analyzed the Business Requirements Document, put input in Test Plan and prepared detailed Test Cases for new functionality.
* Associated with development team to understand technical design and architecture for test planning.
* Regression test cases were written and automated using **Selenium WebDriver.**
* Worked with **source version control** tool such as **Subversion (SVN) & Git.**
* 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 WebDriver and IDE.**
* Used **Selenium tool** (Selenium IDE is a plug-in to Firefox) to record and playback tests and then export the recorded test in other language e.g. HTML, Java. The Exported test can be run in any browser and any platform using "Selenium Remote control".
* Implemented **Selenium WebDriver** for compatibility testing.
* Performed and schedule automated tests using **Selenium WebDriver** using **JUnit framework**.
* Created whole test framework using **Selenium** for further test creation and execution.
* Prepared **Traceability Matrix** to ensure the adequate coverage of the test cases.
* Participated in Daily Scrum meeting, Stand-up meeting, walkthrough meeting, weekly assessment meetings with business analysts and developers.
* Raised defects and performed tracking using **JIRA**.
* Involved in writing load test scripts using Apache **JMeter**.
* Updated Test Plans and TestCases periodically to manage changes in requirements.
* Performed **System, Integration, Smoke, Sanity, Functional, End to End, Positive, Negative, Regression testing** and monitored the behavior of the applications during different phases of testing.
* Connected to database to Query the database using **SQL** for data verification and validation.
* Performed back end testing on **Oracle Database** by writing **SQL queries**.
* Created **SQL** views to aggregate data before moving to targeted database from legacy database to simulate results.
* Uploaded test cases executed test cases and logged defects in Mercury **Quality Center.**

**Environment:**Selenium WebDriver, Selenium RC, JIRA, JMeterQuality Center, JUnit, HTML, Java, JavaScript, XML, MS EXCEL, SQL, Oracle, Windows.

**Role: QA Engineer**

**Client: Serco BPO Pvt Ltd, Hyderabad, India May 2011–May 2012**

**Project Description:** Company serves clients world wide. It offerscontact center, back office, finance and accounting, and knowledge and consulting services. Our application included the information of rigs.

**Roles &Responsibilities:**

* **Analyzed** business requirements, **documented** business requirements specifications, wrote **Test Plans**, **Test Cases**.
* Worked with development team to understand **technical design** and **architecture** for test planning.
* Regression test cases were written and automated using **Selenium RC** and **Selenium IDE.**
* 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 whole test framework using Selenium for further test creation and execution.
* Prepared **traceability matrix** to ensure the adequate coverage of the test cases.
* Prepared required documentation for **testing signoff** by various parties as required by the project plans.
* Participated in **weekly assessment meetings** with business analysts and developers.
* Worked with **source version control** tool such as **Subversion (SVN) & Git.**
* **Assigned, Monitored** and **Tracked Tasks** of Team Members.
* **Updated Test Plans** and **Test Cases** periodically to manage changes in requirements.
* Created **SQL views to aggregate data** before moving to targeted database from legacy database to simulate results.
* Performed Functional testing **manually**.
* Involved in performing extensive back-end testing to make sure data is properly reflected on the web Application.
* Ran Automated scripts using HP Quality Center (ALM).
* Executed the **test cases manually** and automation as necessary and worked on XML.
* Used **Quality Center** as a defect management tool.
* **Performed** Manual Testing and regression testing activities for new releases as an end-to-end testing on Different platforms like windows with **different web browsers.**
* **Responsible** for documenting errors, their resolution, as well as performing extensive **Regression Testing**.
* Involved in weekly **walkthrough and inspection meetings** to verify the status of testing and to discuss defect and like scenarios.

**Environment:**Selenium IDE, Selenium RC, HP ALM Quality Center, HTML, JavaScript, XML, Apache-Subversion (SVN), Git, Internet Explorer, Chrome, Mozilla Firefox, Windows, Manual Testing, HTML, MSOffice, SQL Server, Windows