**Satyanarayana Bramanllapalli**

**Professional Summary:**

* Having **12+ years** of work experience in IT industry with specialization in **Software Quality Assurance and Testing**, extensive experience with **web based applications, web logs and web data analysis.**
* Experience in Test automation using different Automation tools/techniques, Unit testing by using **Selenium WebDriver/RC/IDE/Grid, Cucumber and Soap UI.**
* Proficient in Java, TestNG, Rest Assured, Cypress, and various API testing tools such as Postman, SoapUI, and ReadyAPI.
* Extensive experience in automating tests for microservices and ensuring quality across distributed systems.
* Key expertise includes testing & debugging **GUI** & Multi-Applications environment & automated testing **using Selenium WebDriver.**
* Experience in performing **Data driven testing** to validate the components displayed on the website using **Selenium.**
* Experience in using **Maven** to build and run the Selenium automation framework.
* Having good exposure to integrated testing artifacts with **Continuous Integration (CI)** with **Jenkins** sever.
* Adept at analyzing web metrics and online performance, providing insights for continuous improvement.
* Experienced in developing and implementing test automation frameworks using Java andenhancing testing efficiency and coverage.
* Experience in working on **Selenium Web Driver** automation script in **Java** for Page Object Model (POM) cross-browser testing. Used testing annotations to group the test methods and for cross-browser.
* Experience on testing web services **(SOAP, REST)** using **POSTMAN** and **SOAP UI.**
* Strong experience with **SOA** architecture which include **SoapWeb Service** and **RestFul Web Service** Testing.
* Skilled in utilizing testing tools such as Selenium, JIRA, and HP Quality Center to maintain high-quality software standards.
* Proficient in the full software development lifecycle, employing agile methodologies to ensure efficient project completion.
* Expert in backend testing using **SQL queries** to retrieve and verify information in the database.
* Experience in developing and executing automation **Regression testing and System testing** using **Selenium.**
* Excellent analytical, problem-solving, communication and interpersonal skills.
* Ability to adopt to new methodologies, tools and technologies and domains depending on the job responsibilities**.**

**TECH STACK:**

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| **Testing Tools** | Selenium IDE/RC/WebDriver/GRID, Cucumber, SOAP UI, JUnit, JBehave, TestNG, JMeter, Load Runner, Postman, Cypress. |
| **Languages** | Java, HTML, CSS, XML, JSON, SQL, JavaScript |
| **Web Services** | REST, SOAP |
| **Test Frameworks** | Data Driven Framework, Page Object Model (POM), Hybrid |
| **Continuous Integration** | Jenkins, GitHub, Maven |
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| **Methodologies** | Agile(Scrum), Waterfall |
| **Defect Tracking** | JIRA, HP ALM, Bugzilla |
| **Databases** | MySQL, Oracle, MS Access |
| **Operating Systems** | Windows (All Variants), Linux, UNIX, Mac OS  |

**PROFESSIONAL EXPERIENCE:**

**Client: Mi9 Retail – Remote (Toronto, Ontario) Oct 2021 - Present**

**Role: Quality Engineer**

**Responsibilities:**

* Spearheaded the development of detailed technical understanding of client needs and project data requirements.
* Designed and executed integration, system, and acceptance level automated tests to ensure requirement compliance.
* Developed and maintained test automation frameworks from scratch using **Java**, **TestNG**, and **Rest Assured** for API testing, improving test coverage by 30%.
* Led API testing efforts using **Postman**, **ReadyAPI**, and **SoapUI**, ensuring the accuracy of RESTful and SOAP-based web services across microservices architectures.
* Designed and implemented test automation frameworks using Selenium, TestNG, and Cucumber.Devised and implemented manual test cases and plans to verify software functionality, usability, and performance.
* Developed and implemented test automation scripts for distributed microservices/APIs.
* Created test cases, test plans, tested API’s, wrote JUnit test cases, executed code coverage and wrote automation scripts using Selenium WebDriver. Participated in code reviews, share skills and techniques with team members.
* Automated **API test scripts** using **Rest Assured** and integrated them into CI/CD pipelines with **Jenkins**, enabling faster release cycles.
* Using Maven to configure the dependencies to run framework and GIT for version control.
* Integrated automation scripts on Continuous integration tools, Jenkins for nightly batch run of the script.
* Participated in all phases of Agile methodology including sprint planning meetings, daily standup, demo, grooming and retro.
* Engaged with diverse teams (Software Engineers, product owners, business analysts) to comprehend requirements and validate test outcomes by demonstrating tested features.

**Environment:**Java, Selenium WebDriver, Jira,Postman, TestNG, IntelliJ IDEA, REST services, SOAP UI, GIT, Jenkins, Maven, Windows, MongoDB, RabbitMQ, Kubernetes, Docker.

**Client: Real Matters, Markham, Ontario Dec 2020 – Sep 2021**

**Role: QA Specialist**

**Responsibilities:**

* Crafted and performed manual test cases, test plans, and scripts to ensure software quality and reliability.
* Designed and implemented an API test automation framework using **Rest Assured**, reducing manual testing efforts by 40%.
* Leveraged expertise in automation tools/frameworks (Selenium, Playwright, Cypress) and programming languages (Java) for test automation.
* Created automated test scripts for **Cypress** to streamline UI testing, resulting in quicker identification of front-end issues.
* Conducted manual testing of software functionality, usability, and performance.
* Wrote and executed test scripts in **Java** integrated with **TestNG** for continuous integration testing in Jenkins, ensuring build stability.
* Configured Selenium WebDriver with Maven tool and created selenium automation scripts in java using Eclipse IDE.
* Involved in creation of automation regression framework in Selenium WebDriver using TestNG.
* Setup Maven project for Selenium, perform Data Driven Testing in Selenium.
* Utilized issue tracking systems such as Jira and Azure DevOps to manage defects and track testing progress.
* Build Jenkins (Continuous Integration tool) jobs to perform remote execution. Contributed to the continuous improvement of testing processes and methodologies.
* Performed GUI, Functional and Regression testing by automated using Selenium, TestNG and Maven.
* Assisted manual testing team to develop and design test cases for functional and regression testing.
* Developed comprehensive test deliverables including test plans, test cases, test data, and traceability matrix.
* Automated workflows using CI/CD tools like Jenkins and version control systems such as Git.
* Automate regression testing using hybrid framework i.e. both data driven & keyword driven using Selenium WebDriver.
* Collaborated closely with development and product teams to identify testing requirements and ensure comprehensive test coverage. Provided valuable feedback on software quality and usability.

**Environment:** Java, Selenium WebDriver, Cypress,JavaScript, Postman, TestNG, Atlassian, Maven, XPath, GIT, Eclipse IDE**,** Atlassian Bitbucket, Jira, Bamboo, Agile, Windows.

**Client: TickSmith, Montreal, Quebec Jan 2019 – Nov 2020**

**Role: QA Test Engineer**

**Responsibilities:**

* Developed automated test cases for backend APIs using **Postman** and **SoapUI**, ensuring the robustness of the API layer.
* Collaborated closely with development teams to implement automated scripts, ensuring tests were up-to-date with the latest code changes.
* Integrated automated tests into CI/CD pipelines, enhancing the efficiency of the development process.
* Developed and executed test cases and test automation regression using Selenium WebDriver.
* Used Selenium WebDriver APIs for writing TestNG test suites and test cases for testing functionality.
* Configured Selenium WebDriver, TestNG, Maven tool and created selenium automation scripts in java using TestNG prior to agile release.
* Participated in the design and review of test plans, test cases, and overall test strategies for various releases.
* Improved the overall quality of the software by integrating automated test suites into **CI/CD pipelines**, facilitating faster feedback and resolution of issues.
* Integrated Automation scripts (Selenium WebDriver API) on Continuous Integration tools Jenkins for nightly batch run of the Script.
* Managed version control with Git and utilized build tools such as Gradle for software deployment.
* Performed GUI, Functional and Regression testing by automated using Selenium, TestNG, Maven, and Jenkins.
* Conducted usability testing, UI testing, functional testing, and database testing.
* Used Selenium (data-driven, XPath locator) WebDriver to test the web application and client-server-based applications.
* Verified WSDL files, asserting the files using various In-build assertions, performed Data Driven testing, in SOAP UI.
* Used SOAP UI tool to test SOA based architecture application to test SOAP services and REST API.
* Involved in testing the database and data validation using SQL Queries.
* Involved in testing the application utilizing the AGILE (Scrum) methodology.

**Environment:** Java, Selenium WebDriver, Cypress, JavaScript, Postman, TestNG, Jenkins, Maven, Cucumber, XPath, SOAP UI, GIT, Eclipse**,** Quality Center, Agile, SQL, Windows.

**Client: Alimentiv, London, Ontario Jun 2016 – Dec 2018**

**Role: Automation Test Engineer**

**Responsibilities:**

* Involved in analyzing Business Requirement Documents and Technical Specification document and developed test plan and test cases for testing the application.
* Participated in test planning and execution, ensuring adherence to project timelines and quality standards.
* Developed expertise in all phases of the Software Testing Lifecycle.
* Designed comprehensive test suites for various testing levels including unit, integration, system, and acceptance tests.
* Conducted manual testing of software functionality, usability, and performance.
* Identified test cases to automate. Automate those test cases using Selenium WebDriver, TestNG and Java technologies (Eclipse IDE). Contributed in framework creation.
* Wrote Maven build scripts to automate the compilation and execution of TestNG test cases/suites for Lens Measurement screen, Lens Type Screen, Aftercare screen and two eye replication screens.
* Performed build acceptance testing and smoke testing using Cucumber automation tool.
* Created Project plan on Continuous Integration (Jenkins), configured scheduled using Cron job.
* Managed version control with GitHub and utilized build tools such as Gradle for software deployment.
* Involved in writing unique XPath using firebug and fire path to identify web elements.
* Performed the testing of Restful web services for mobile apps for the Using SOAP UI.
* Used Jira for bug tracking and reporting, also followed up with development team to verify bug fixes and update bug status.
* Collaborated with software engineers, Business partners, and product management teams in an agile environment to develop a comprehensive set of tests for web-based applications.

**Environment:** Java, Selenium WebDriver, TestNG, Jenkins, Maven, Cucumber, SOAP UI, GIT, Eclipse, Firebug, Firepath, Xpath, Jira, Agile, SQL, Windows,HTML, UNIX.

**Client: M MODAL Global Services (CBAY Systems) Feb 2010 to May 2015**

**Role: Programmer analyst**

**Responsibilities:**

* Preparing Test Plan and Test Cases based on the function specifications.
* Testing the application manually before automating the desired test cases.
* Wrote test cases to test the application manually and automated using selenium.
* Performed smoke testing to exercise the entire system end to end.
* Created Project, Requirements, Test Plans and Tests.
* Wrote test script to test the application automated using Selenium Hybrid framework Junit, TestNG Using java as a programming language.
* Authored the test specification and handled TDD signoff of the documents.
* Used several HTTP methods like PUT,POST,SET,DELETE for advanced validation expressions.
* Performed BDD (Behavior Driven Development) using Cucumber Features, Scenarios and Step Definitions in Gherkin format.
* Deploying the Maven (pom.xml) file in to Jenkins to build the jobs
* Involved in setting up test environments and test data and also worked as a functional tester.
* Used Postman for testing SOAP web services.
* Working on Web service API testing using Postman
* Ability to build Rest API calls using POST and GET.
* Worked effectively with Developers, AGILE Team, and Project Management to achieve Selenium automation, high quality, release deadlines and QA processes improvements.
* Used Jenkins for automated builds and certify the builds for production ready.
* Developed automated test scripts from manual test cases for Regression testing based on the requirement documents using Selenium.
* Used JIRA as a bug tracking tool.
* Wrote SQL queries and statements to test database for retrieving information.
* Created test case suites in JUnit for unit testing and minimal functional testing.
* Worked closely with development team in creating automated scripts for the application.
* Worked as Software Development Engineer in Test (SDET) is responsible for developing and executing comprehensive suites of automation test plans and test cases.

**Environment:** JAVA, JavaScript, Selenium, SVN, JIRA, HTML, UAT (User Acceptance Testing), Agile, SDET, SQL, Cucumber, Production Server, LINUX, Windows, GIT, Postman.

**PROFESSIONAL QUALIFICATION:**

Bachelor of Technology from JNTU Hyderabad (Telangana, India) (2010 - 2014)

PG Diploma in Quality Engineering Management (Toronto, Canada) (2015 - 2017)