



Jayanth Singaladevi

**Sr. Automation Engineer
Sr.SDET**

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13+ years of experience in Information Technology as an **Analyst** through **Manual** and **Automation** Testing of software applications.

Strong experience with **Java, JavaScript, TypeScript, Selenium WebDriver, Playwright, Cypress, JUnit, Cucumber, Jasmine, Mocha, karma, Gherkin language, TestNG, Maven, HTML, CSS, AngularJS(V14), Node JS, SQL, Jira, VersionOne, Postman, RestAssured API, Karate, GIT, Docker, Jenkins, AI/ML, GENAI, LLM.**

- Solid experience on managing project **dependencies**, the **plugins**, and **goals** to build an automation project using build tool **Maven** using **Project Object Model (pom.xml)**.
- Key member in **SDLC (Software Development Life Cycle)** and **STLC (Software Testing Life Cycle)**.
- In-depth knowledge of **Quality Assurance** methodologies and **Software Testing** techniques such as **Smoke Testing, Functional Testing, Regression Testing, Integration Testing, Positive- Negative Testing and Black Box Testing.**
- Well-grounded with **Agile/Scrum Methodologies.**
- Proven ability in requirement analysis and designed, developed and implemented **POM (Page Object Model)** based Automation Testing Framework utilizing **Java, JavaScript, Maven, NodeJS, Cypress, Playwright Selenium WebDriver, JUnit, TestNG, and Cucumber** using **Gherkin.**

PROFESSIONAL SUMMARY

- 13+ years of experience in Information Technology as a **Quality Assurance** through **Manual** and **Automation** Testing of software applications.
- Strong experience with **Java, JavaScript, Selenium WebDriver, PlayWright, Cypress,JUnit, Cucumber, Gherkin language, TestNG, Maven, Git, AngularJS,QTest,VersionOne,Postman,RestAssured API ,Docker** and **Jenkins** tools.
- Solid experience on managing project **dependencies**, the **plugins**, and **goals** to build an automation project using build tool **Maven** using **Project Object Model** .
- Key member in **SDLC (Software Development Life Cycle)** and **STLC (Software Testing Life Cycle)**.
- In-depth knowledge of **Quality Assurance** methodologies and **Software Testing** techniques such as **Smoke Testing, Functional Testing, Regression Testing, Integration Testing, Positive- Negative Testing and Black Box Testing**.
- Well-grounded with **Agile/Scrum Methodologies**.
- Proven ability in requirement analysis and designed, developed and implemented **POM (Page Object Model)** based Automation Testing Framework utilizing **Java, Maven, Selenium WebDriver, JUnit, TestNG**, and **Cucumber** using **Gherkin**.
- Maintained and participated in building **Cucumber** framework from scratch to implement **JavaScript** language and **Protractor,Cypress** testing tool using **POM** design pattern.Provided enhanced techniques to run the testcases in **Docker Containers** and achieving parallel testing.
- Implemented **AngularJS** platform in the application.
- Creating **RTM (Requirements Traceability Matrix)** for requirements and **Test Cases**.
- Experience with **Continuous Integration** tool **Jenkins** for **Smoke** and **Regression Tests**.
- Extensive experience with developing **Test Scenarios** and **Test Cases**, preparing **Test Data**, understanding the test procedures and test practices, preparing **Test Reports**, and documenting reports.
- Proficient in automation of Web Based Applications in **DDT (Data Driven Testing)**, **Cucumber BDD (Behavioral Driven Development)**, and **POM Frameworks** by using **Selenium WebDriver**.
- Adept knowledge with **Apache POI** methods for writing/reading to/from excel sheets to perform **DDT (Data Driven Testing)**.
- Designed, developed and implemented **POM (Page Object Model)** based Automation Testing Framework utilizing **Java, Maven, Selenium Web Driver, JUnit, TestNG**, and **Cucumber** using **Gherkin**.
- Working knowledge of **HTML (Hypertext Markup Language)** for finding web elements with various methods and the ability to write dynamic **XPath** and **CSS selectors** for Web Element Identification using **Selenium WebDriver**.
- Involved in testing of Application Programing Integration (**API**) using **POSTMAN** and **RESTAssured** tools.
- Skillful with **Defect/Test Management** tool **Jira**.
- Experience in version control tool **GIT**.
- Knowledgeable with object-oriented programming language **Java**, using IDE tools like **Eclipse, IntelliJ**.
- Experience in integrating our test automation frameworks with **AI tools** like Appli tools/Percy for Visual testing and making use of **LLMs(GEN AI)** for creating test Plans and test automation scripts faster.

TECHNICAL SKILLS

Languages	Java, JavaScript,TypeScript , JSON, HTML, CSS, Gherkin, XML.
Operating Systems	Windows, Mac OS.
Automation Tools	POSTMAN, Rest Assured,Selenium,Cypress,Protractor
Test Management Tools	Version One,Qtest,HP ALM

Databases	MySQL, SQL Server
Testing Tools and Frameworks	Selenium WebDriver, Protractor, Cypress, Jasmine, Cucumber, Maven, JUnit TestNG, Jenkins, POSTMAN.
IDE	Eclipse, Visual Studio Code, IntelliJ IDEA.
Version Control/Repository System	Git, GitLab.
Development Methodologies	Waterfall, Agile.

Education : Bachelors Of Technology (2006-2010) from JNT University, Kakinada

WORK EXPERIENCE

Tata Consultancy Services-Delta Air Lines– Atlanta, GA

January 2015 - Present

Software Development Engineer In Test

- Designed, developed and implemented **POM (Page Object Model)** based on Automation Testing Framework utilizing **JavaScript ,Cypress with Mocha framework,Playwright with Javascript** from past 3 years which is developing in **Angular (Version14)** and **Karma with HTML and CSS**.
- Used **BDD (Behavioral Driven Development)** with **Cucumber, JavaScript** and created **Spec files, Conf.js** as well as writing **test cases**.
- Automated the **Test Cases** for **Regression Testing, Smoke Testing, Positive Testing** and **Negative Testing** in an **Agile / Scrum** environment.
- Identifying web elements locators such as **ID, Name, Class Name, Tag Name, Link Text, Partial Link Text, Xpath, CSS Selector, Playwright aria options getByLabel, getByText, etc.** in **HTML** code to test the web applications under testing.
- Implemented automated execution of **Smoke** and **Regression Testing** using **Jenkins**.
- Experienced in **Visual Studio Code** to develop **JavaScript** codes to automate tests.
- Experienced in **Git** Version Control tool and **GitHub** as a remote repository.
- Used **Karate framework** for API/Backend automation.
- Followed **Agile Methodology** and participated in all the **Scrum** ceremonies such as **Sprint Planning, Daily Stand Up Meeting, Sprint Demo Meeting, Sprint Review Meeting, and Sprint Retrospective Meeting**.
- Integrated **AI tools** (Appli tools) to the current Framework for Visual Testing and usage of **LLMs** for creating tests.
- Analyzed the **User Stories, System Design** and provided input from **End-User** point of view.
- Participated in **Sprint Grooming** meeting and analyzed the complexity of each task.
- Performed **Parallel, Cross-Browser, Multiple Platforms Testing**.
- Performed **Back-End** Testing using **JavaScript, SQL** and **POSTMAN** for Manual Testing Database.
- Prepared **SQL** Scripts to verify the **Database** updates, inserts and deletes of the **records**.

Environment: Agile, Automation, Visual Studio Code, JavaScript, HTML, SQL, AngularJS, Jira, Behavioral Driven Development Framework, Jasmine, POSTMAN, Page Object Model and Jenkins.

Tata Consultancy Services -Southwest Airlines – Dallas, TX

July 2013 – January 2015

Test Automation Engineer

- Analyzed Business Requirements and Functional Specifications based on **SMART** criteria and involved in the preparation of the **Test Plan**, developed detailed **Test Scenarios** and **Test Cases**.
- Designed, developed and implemented **Page Object Model (POM)** based Automation Testing Framework utilizing **Java, Maven, Selenium WebDriver** and **TestNG**.
- Used **Project Object Model (pom.xml)** file for managing required dependencies.
- Used web element locators such as ID, Name, XPath, and CSS Selector in HTML code and **Selenium WebDriver** to test the web applications.
- Proven knowledge of **JUnit** and **Gherkin** language to read and write feature files for **Cucumber**.
- Built automated Test Cases using **Maven** build tool using **Selenium WebDriver** and **Java**.
- Automated the **Test Cases** for **Regression Testing, Smoke Testing, Functional Testing, Positive Testing, Negative Testing, UI** and **Database Testing** in an **Agile (Scrum)** environment.
- Used **Selenium Grid** to run Test Cases in multiple browsers and platforms.
- Experienced in **Eclipse IDE** to develop **Java** scripts using **Selenium WebDriver** and **Cucumber**.
- Logged defects in **Jira** with defect type and detail information about the defect.
- Experienced in implementing **Git** as a distributed version control tool and **GitHub** as a repository.
- Performed **Data Driven Testing** by using **Apache POI** for writing/reading to/from **Excel Sheets**.
- Performed **Back-End Testing** by using **Java Database Connectivity (JDBC)** as a data source and configured **SQL** queries to fetch data from the database.
- **Back-End** WebServices level testing with **RESTful API** Testing using **Java RESTAssured** library and **POSTMAN**.
- Automated **Regression** Testing on new builds for modification in the application.
- Participated in **Peer Reviews** of automated **Test Cases**.
- Followed **Agile-Scrum Methodology** and participated in all the **Agile** ceremonies during the course of the sprint, such as **Sprint Planning Meeting, Daily Stand-up Meeting, Sprint Demo / Review Meeting, and Sprint Retrospective Meeting**.

Environment: Agile, Eclipse, Java, HTML, SQL, Selenium WebDriver, Maven, Jira, TestNG, Cucumber, Data Driven, and Page Object Model Frameworks.

Tata Consultancy Services -Qantas Airlines- Mascot, Australia
2011 – June 2013 Quality Assurance

Feb

- Created **Test Cases** on Jira based on **User Stories** and created Requirement Traceability Matrix (**RTM**) by linking user stories to Test Cases.
- Created test automation **framework** from scratch using Maven, Selenium WebDriver, TestNG.
- Followed Software Development Life Cycle (**SDLC**) and experienced Agile Scrum Methodology.
- Experienced **Continuous Integration** with Jenkins, Cloud Server and **GitHub** repository combination.
- Analyzed Business Requirements and Functional Specifications based on **SMART** criteria and involved in the preparation of the **Test Plan**, developed detailed **Test Scenarios** and **Test Cases**.
- Performed **Data Driven Tests** by deriving data from **Microsoft Excel** file with **Apache POI Java** library.
- Wrote and executed **SQL** queries with **JDBC** for Database and Selenium WebDriver for User Interface (UI) to perform **End-to-End** tests.
- Successfully handled Selenium **Synchronization** problems using **Explicit** and **Implicit** waits methods.
- Experienced with different locators such as **ID, XPath, and CSS** to locate dynamic and static Web

Elements.

Environment: Eclipse, Java, Selenium WebDriver, Maven, HTML, SQL, Jira.