Kavya N

Software Automation Test Engineer

✉ kavyasrinivasa1@gmail.com   📞 +91 6361484696   📍 Bengaluru, India

Professional Summary

Automation Test Engineer with **5.2 years of experience** in web application testing across e-commerce and healthcare domains. Strong expertise in **Playwright with JavaScript** with hands-on experience in designing scalable automation frameworks, cross-browser testing. Proven ability to improve test coverage, enhance test stability and support high-quality Agile deliveries.

Technical Skills

- **Languages** :- JavaScript, Java
- **Tools** :- Playwright, Postman
- **Frameworks** :- Page Object Model, Data Driven Framework, Hybrid Framework
- **Version Control** :- GitHub
- **Bug Tracking** :- Jira
- **Testing** :- Functional, Smoke, Regression, Integration, End-to-End
- **Methodologies** :- Agile, SDLC, STLC
- **IDE** : VS code

Experience

- Hands-on experience in automating web applications using **Playwright with JavaScript**, with proficiency in writing and maintaining **end-to-end test scripts** using Playwright Test Runner.
- Experienced in **cross-browser testing** across Chromium, WebKit, and Firefox, implementing **parallel execution** to significantly reduce regression execution time.
- Proficient in handling **asynchronous JavaScript** using Promises, async/await, and try/catch for reliable test automation.
- Automated complex user interactions, including **multi-tab handling, iframe navigation, dropdown selection, and mouse and keyboard actions**, and implemented **data-driven testing using JSON files** for scalable execution.
- Leveraged Playwright's **auto-wait mechanisms, retries, and optimized locator strategies** to eliminate flaky tests and improve overall test stability.
- Utilized **Playwright fixtures and hooks** for efficient test setup and teardown, and generated **Playwright HTML reports** for clear test result visualization.
- Skilled in using **NPM** for dependency management, and proficient in identifying and using **robust locators and XPath** for precise element handling.
- Strong understanding of **ES6+ JavaScript features** including let/const, arrow functions, template literals, and default parameters.
- Solid knowledge of **JavaScript fundamentals**, including classes, constructors, prototype inheritance, and closures.
- Contributed to designing and implementing a **hybrid automation framework** by building **reusable components** that increased test coverage and reduced manual testing effort.
- Actively participated in **Agile ceremonies** such as sprint planning, daily standups, and retrospectives.
- Logged and tracked defects using **Jira**, ensuring clear documentation and timely resolution.
- Collaborated closely with **developers and business teams** for issue resolution and test coverage analysis.
- Hands-on experience in **API testing using Postman** for validating RESTful web services.
- Designed and executed **API test cases** for GET, POST, PUT, PATCH, and DELETE requests.
- Validated **request/response payloads, headers, status codes, and response time** to ensure API reliability and performance.

Professional Experience

TestYantra Software Solutions India Pvt. Ltd   01/2026 – Present

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Siliconbricks Technologies Pvt. Ltd., *Automation Test Engineer*   08/2023 – 12/2025

Project : MediFlow, Healthcare

MediFlow is a comprehensive software solution designed to streamline and **automate various hospital operations**, including patient management, medical records, billing, inventory, staff administration, and reporting. It helps healthcare facilities run efficiently while improving patient care and hospital workflow.

Tools: Playwright, JavaScript, VS Code, GitHub, Jira

Roles and Responsibilities

- Designed and automated end-to-end test cases for critical user flows using **Playwright Test Runner.**
- Implemented **data-driven testing** to validate multiple test scenarios with different inputs.
- Executed tests across multiple browsers (**Chromium, Firefox, WebKit**).
- Configured **parallel test execution, test retries, and test annotations** for optimized runs.
- Integrated an automated testing suite with **GitHub** to enable version-controlled test scripts and streamline team collaboration.
- Contributed to generating **HTML test reports** and sharing status updates with the Manager.
- Logged, tracked, and verified defects using a defect management tool, and collaborated closely with developers to ensure timely resolution.
- Leveraged Playwright **fixtures** and **hooks** (beforeAll, afterEach, etc.) to manage test setup and teardown efficiently.
- Utilized **Playwright Trace Viewer and video recording** for debugging failed test cases and improving test stability.

Microland Limited, *Manual Test Engineer*   06/2019 – 04/2022

Project: BuyNest, E-commerce

BuyNest is a web-based application developed to enable the **buying, selling, and reselling** of both new and pre-owned products across the country, providing users with a secure and user-friendly **digital marketplace**.

Tools: GitHub, Jira, Postman

Roles and Responsibilities

- Participated in **requirement walkthroughs** to understand business needs and clarify acceptance criteria.

- Designed and executed **manual test cases** for web applications based on requirements and user stories.
- Ensured test cases covered **positive, negative, boundary, and edge** scenarios using techniques like **Boundary Value Analysis (BVA) and Equivalence Partitioning**.
- Created and maintained **Requirement Traceability Matrix (RTM)** to ensure complete test coverage.
- Performed **functional, smoke, and regression** testing across multiple browsers.
- Logged defects clearly in **JIRA** with proper steps to reproduce, screenshots, and logs.
- Conducted **retesting and verification** testing after defect fixes and updated defect status.
- Prepared **test execution reports, automation coverage statistics**, and supported release readiness activities.
- Actively participated in **Agile ceremonies** including daily stand-ups, sprint planning, sprint reviews, and retrospectives.

Education

Bachelor of Electronics and Communication Engineering, *Sambhram Institute of Technology*

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Kavya N