

Deepesh Yadav

Senior Automation Test Engineer | Playwright + TypeScript Specialist

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Professional Summary

Results-driven Automation QA Engineer with 5+ years of experience in designing, developing, and maintaining scalable test automation frameworks for web, mobile, and API applications. Expertise in Playwright with TypeScript, Selenium WebDriver, API automation, CI/CD integration, and modern Agile testing methodologies. Strong hands-on experience in implementing end-to-end automation frameworks from scratch using Page Object Model (POM), reusable utilities, fixtures, and data-driven testing approaches.

Skilled in cross-browser testing, parallel execution, visual validation, accessibility testing, test reporting, and integration with Jenkins and GitHub Actions pipelines. Proven ability to reduce regression effort, improve test coverage, and enhance software quality through automation. Experienced in collaborating with developers, product owners, and DevOps teams to deliver high-quality releases in fast-paced Agile environments.

Technical Skills

Category	Skills
Automation Tools	Playwright, Selenium WebDriver, Cypress, Appium
Programming Languages	TypeScript, JavaScript, Java
Framework Design	POM, Data-Driven, Hybrid Framework, Fixtures
API Testing	Playwright API, Postman, REST Assured
CI/CD	GitHub Actions, Jenkins, Azure DevOps
Reporting	Allure Reports, HTML Reports, Extent Reports
Version Control	Git, GitHub, Bitbucket
Testing Types	Functional, Regression, Smoke, UI, Sanity, API, Accessibility
Cloud & Tools	BrowserStack, Jira, Confluence, TestRail

Professional Experience

Senior Automation QA Engineer – Technogise Pvt Ltd

2023 – Present

- Designed and developed a scalable Playwright automation framework using TypeScript from scratch.
- Implemented Page Object Model (POM), reusable fixtures, utilities, and custom helper functions to improve maintainability.

- Automated end-to-end workflows for complex enterprise web applications across Chromium, Firefox, and WebKit browsers.
- Integrated Playwright test execution with GitHub Actions and Jenkins for scheduled and on-demand CI/CD runs.
- Implemented parallel execution and tagging strategies to reduce regression execution time by more than 60%.
- Created automated API validation suites using Playwright request context and REST APIs.
- Developed reusable authentication utilities and token-based API automation mechanisms.
- Configured Allure reporting with screenshots, videos, traces, and detailed logs for failure analysis.
- Performed cross-browser and responsive UI testing for web applications.
- Collaborated with product owners, developers, and DevOps teams during sprint planning and release cycles.
- Executed accessibility and visual validation testing for critical business flows.
- Mentored junior QA engineers on Playwright automation architecture and TypeScript best practices.
- Participated in code reviews, framework enhancements, and test strategy discussions.
- Reduced manual testing effort significantly by automating high-priority regression suites.

Automation Test Engineer – Previous Organization

2021 – 2023

- Maintained Selenium WebDriver automation framework using Java and TestNG.
- Automated regression and smoke test suites for enterprise applications.
- Performed API testing and database validation for backend services.
- Integrated automated tests with Jenkins pipelines for nightly execution.
- Created detailed bug reports and collaborated closely with development teams.

Key Automation Projects

- **E-Commerce Automation Framework:** Built a complete Playwright TypeScript framework with POM architecture, reusable utilities, environment configuration, and Allure reporting.
- **Subscription & Paywall Testing:** Automated subscription flows, authentication scenarios, and paywall validations for media applications.
- **API Automation Suite:** Developed automated API validation framework with token handling, schema validation, and response assertions.
- **Cross-Browser Regression Suite:** Configured automated regression suite execution across multiple browsers with parallel execution support.

Education

Bachelor of Technology (B.Tech) – Computer Science Engineering

Certifications

- Playwright Automation Testing with TypeScript
- Selenium WebDriver Automation
- API Testing with Postman & REST APIs
- Agile Scrum Fundamentals