

Vijay S

Cypress Automation Engineer

✉ vijaysoffl@gmail.com ☎ 9087115336 📍 Chennai, Tamilnadu, India.

Profile

Results-driven Automation Test Engineer with 3+ years of expertise in test automation for IoT display devices and web applications. Automated 1500+ test cases and refactored 3000+ test cases using Cypress and TypeScript, achieving 50% reduction in regression testing time (from 2 weeks to 1 week). Identified and logged 600+ bugs contributing to product quality across cloud and device platforms. Proficient in Cypress, Playwright, JavaScript, TypeScript, Jenkins CI/CD, JIRA, and TestRail. Proven ability to collaborate with cross-functional teams of 145+ professionals to deliver high-quality software through comprehensive testing strategies.

Skills

Automation Testing:

- Cypress (3 years), Playwright (1 year), Page Object Model, Test Automation Framework

Testing Tools:

- JIRA, TestRail, Postman, Jenkins, Git, GitHub, Bitbucket

Programming Languages:

- JavaScript, TypeScript, HTML, CSS

Testing Types:

- Manual Testing, Automation Testing, IoT Testing, Web Testing, Regression Testing, Sanity Testing, Integration Testing, Smoke Testing, Functional Testing, Cross-browser Testing

Professional Experience

MANUAL AND AUTOMATION TEST ENGINEER, *Worked on test automation initiatives for IoT display devices and web applications in a cross-functional team of 5 automation engineers, 100+ manual testers, and 40+ developers.*

11/2022 – Present
Chennai, India

Test Automation Impact:

- Automated 1500+ test cases and refactored 3000+ test cases using Cypress and TypeScript
- Reduced regression testing cycle time from 2 weeks to 1 week (50% time reduction)
- Achieved 70% test automation coverage across 6 critical modules out of 6000+ total test cases
- Implemented Page Object Model framework ensuring maintainable and scalable test scripts

Quality Assurance Excellence:

- Identified and logged 600+ bugs in 3 years across cloud and device platforms
- Conducted comprehensive manual testing for IoT display devices ensuring product stability
- Executed Sanity, Regression, Smoke, and Ad-hoc testing to ensure product quality
- Maintained 70% automation coverage contributing to faster release cycles

Technical Contributions:

- Designed and executed test strategies, automation frameworks, and test scripts for IoT applications
- Integrated automated tests with Jenkins CI/CD pipeline for continuous testing
- Collaborated with cross-functional teams to improve testing efficiency and reduce manual effort
- Utilized JIRA for defect tracking and TestRail for test case management

Technologies: Cypress, Playwright, JavaScript, TypeScript, Jenkins, JIRA, TestRail, Postman, Git, Bitbucket, Page Object Model

Projects

CYPRESS AUTOMATION - IOT DISPLAY DEVICE WEB APPLICATION,

SequoiaAT | Nov 2022 - Present | Team Size: 5 automation engineers

Developed comprehensive test automation framework for IoT display device controlling web application using Cypress and TypeScript.

- Automated 1500+ test cases across 6 critical modules
- Refactored 3000+ existing test cases improving code quality and maintainability
- Achieved 70% automation coverage for 6000+ total test cases
- Reduced regression testing time from 2 weeks to 1 week (50% efficiency gain)
- Implemented Page Object Model design pattern for scalable test architecture
- Integrated tests with Jenkins CI/CD pipeline for automated execution
- Identified 600+ bugs contributing to overall product quality

Technologies: Cypress, TypeScript, JavaScript, Jenkins, Page Object Model, TestRail, JIRA, Bitbucket

PLAYWRIGHT AUTOMATION - ATTENDANCE MANAGEMENT WEB APPLICATION,

SequoiaAT | Mar 2023 - Dec 2023 | Solo Project

Independently automated attendance management web application covering both front-end UI testing using Playwright framework.

- Developed end-to-end automation scripts for front-end functionality
- Created reusable test automation framework from scratch
- Executed comprehensive functional and regression testing
- Ensured product quality through thorough test coverage

Technologies: Playwright, TypeScript, JavaScript, POM, Github

ANDROID IOT DEVICE - MANUAL TESTING, SequoiaAT | Nov 2022 - Present | Team Size: 70+

Conducted comprehensive manual testing for Android-based IoT Display Device ensuring product stability and functionality.

- Wrote detailed test cases on TestRail for complete test coverage
- Executed Sanity, Regression, Smoke, and Ad-hoc testing
- Logged bugs on JIRA with accurate documentation and priority assessment
- Ensured product readiness through systematic testing approach
- Collaborated with development team for timely bug resolution

Technologies: Android, TestRail, JIRA, Manual Testing

PERSONAL PROJECTS

LOCATOR HUNTER - CHROME EXTENSION | 2024

Developed Chrome extension that reduces locator writing time by 70% for test automation engineers, improving productivity for automation testing tasks.

STOCK HUNTER APPLICATION | Aug 2024 - Dec 2024

Developed personal stock market tracking application with AI assistance. Performed manual testing ensuring application quality. Code repository maintained on GitHub.

Education

BACHELOR OF ENGINEERING(BE) IN MECHANICAL ENGINEERING,

Anna University - SRI College of Engineering and Technology

2014 – 2018

Chennai