Vijay S

Cypress Automation Engineer

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🔗 https://locatorhunter.github.io/vijays.github.io/   ⦿ github.com/locatorhunter

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, *Sequoia AT - Chennai: Nov 2022 - Present*
Worked as a test automation and Manual Engineer for IoT display devices and web applications in a cross-functional team of 5 automation engineers, 100+ manual testers, and 40+ developers.

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 MECHANINCAL ENGINEERING,   2014 – 2018
Anna University - SRI College of Engineering and Technology   Chennai