David Davies
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OBJECTIVE

Experienced Automation Engineer with expertise in Frontend Javascript development. Proficient in Node.js, Selenium WebDriver, WDIO, and TestCafe. Seeking a challenging Engineering role to deliver high-quality software solutions to a dynamic and innovative team.

TECHNICAL SKILLS

Programming Languages: Javascript, TypeScript, HTML/CSS, C#, Swift, Groovy | **Analytics:** A/B Testing, Apple Analytics | **Frameworks:** Node.js, Testcafe, WDIO, Selenium, Mocha, Chai, XCTest | **Tools:** Appium, JIRA, GitHub, Jenkins, XCUI, Allure, Vue, Docker, Vessel, MySQL, MongoDB, Postman, Tableau, Numbers, Quip, Lucid, Splunk | **Processes**: Release Management, Agile methodologies, Scrum/Sprint processes, CI/CD pipelines, Regression Testing, Functional Testing, SaaS experience | **AI**: Anthropic Claude sonnet 4, Gemini, AFM

PROFESSIONAL EXPERIENCE

Senior Automation Engineer | Apple Inc. SP | Feb 2024 - Present

- Designed and implemented a custom UI automation framework in Swift using XCTest and XCUI, tailored specifically for testing Apple Vision Pro spatial computing.
- Created core methods for and reusable utilities within a POM architecture to standardize interactions with Spatial Interface components across test suites.
- Leveraged Xcode Instruments and Console logs for diagnostics, stable testing and reporting.
- Collaborated with product and design teams to identify automation-critical user paths and ensured test coverage for high priority spatial workflows.
- Working on integrating the framework in to CI/CD pipelines with Jenkins.
- Documented the framework architecture, best practices and onboarding guides to assist with team adoption.

Senior Automation Engineer | Apple Inc. Marcom | March 2023 - Dec 2024

- Integrated a custom WDIO test automation framework into Jenkins using Groovy based declarative pipelines
- Maintained Jenkins files to automate parallel test runs and set up suite for smoke tests.
- Scheduled automated regression suites using Jenkins cron jobs, enabling consistent nightly and weekend tests.
- Collaborated with DevOps to integrate test stages into end-to-end deployment pipelines ensuring quality release.
- Led migration of Pricing Library tools from legacy node.js version to latest LTS.
- Updated and Maintained tools using local server from docker to Vessel.
- Migrated core tools and utilities from Javascript to TypeScript

Senior Automation Engineer | Apple Inc. Channel On Device | Dec 2021 - March 2023

- Worked on Meet iPhone Application on device for Retail Clients (Verizon, AT&T, BestBuy etc.)
- Develop automation tools to ensure integrity of device Application.
- Helped develop framework and incorporate tests into jenkins build.
- Automated API tests to ensure data populated to application as expected across all locales/regions.
- Helped create automation framework to test for language options on Application.
- Work with AOS, Pricing, and International teams to implement features across all locales/regions.

Senior Automation Engineer | Apple Inc. Marcom | Dec 2021 - Nov 2022

- Developed automated test framework using WDIO and POM to increase test coverage by 50%.
- Improved test performance by 40% by implementing multi-thread execution with selenium grid.
- Collaborated with developers and product managers to root cause issues, and enhance framework.
- Automated builds and deployments using Jenkins, resulting in a 30% reduction in release time.
- Created and Released tool for Pricing API across entire .com pages and for all locales and regions World Wide.
- Develop Data Driven tests for large JSON canonical data models across various tests.
- Created clear and concise documentation covering tools for Managers and Testers via Quip with LucidChart figures.
- Exercised and promoted best practices and used it to mentored junior engineers - improved team productivity.

Frontend Automation Engineer | Apple Inc. Website | Nov 2019 - Dec 2021

- Designed and developed Frontend applications using React for Department.
- Collaborated with QA engineers to identify and resolve issues.
- Designed, developed and maintained automated test scripts for regression and functional testing.
- Automated scripts to capture analytics with Testcafe and Node.js framework.
- Successfully integrated automation testing into the CI/CD pipeline via Jenkins with Groovy.

QA Analyst | Apple Inc. Website | Jun 2017 - Nov 2019

- Work closely with product managers and developers to create detailed test plans and test cases for new pages.
- Execute manual and automated tests to ensure that software meets quality standards and user requirements
- Report and track defects, and collaborate with developers to resolve issues
- Review data for analytics to ensure correctly populated data is observed across platform.
- Work with cross-functional teams to ensure that software is released on schedule and with high quality
- Participate in Agile development process and attend daily stand-ups, sprint planning, and retrospective meetings

Quality Assurance | Reynolds and Reynolds | June 2015 - Oct 2017

- Developed test plans, test cases, and test scripts based on business requirements and functional specifications.
- Executed manual tests, identified and documented defects, and reported them to the development team.
- Conducted regression tests to ensure software updates and changes did not impact existing functionality.
- Filed tickets for Bug Tracking and defects in client software and application.

PERSONAL PROJECTS

Personal Website: https://uhpotato.github.io/
Unity Engine WebGL Game: https://uhpotato.github.io/game.html
    -Unity Engine, C# Scripts, Microsoft Azure PlayFab backend, AI for art

GitHub: https://github.com/uhPotato

EDUCATION

Full Stack Web Development Certification | University of California Berkeley 2018
Bachelor of Science in Computer Science | SHSU | 2014