

Steven Boutcher

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QA AUTOMATION ENGINEER

Test Automation | Technical Documentation | Front-End Development

Experienced QA Automation Engineer with a track record of designing, implementing, and contributing to successful test automation solutions for mobile, API, desktop, and web, using TypeScript, Ruby, and Python. Continuously growing professional who thrives on taking on increasingly more challenging projects and learning opportunities. Enjoys developing web apps to automate workflows and processes. Passionate about writing documentation to promote a culture of knowledge sharing and collaboration.

WORK EXPERIENCE

Trek Bicycle - Waterloo, WI

11/22 - PRESENT

QA Automation Engineer

Designed and built test automation for native mobile and Electron desktop apps. Assisted the QA Analyst with manual testing of desktop, iOS, and Android apps on a cross-functional team of fewer than 10 people.

- Architected & built the first desktop automation framework at the company using Playwright and TypeScript to test an Electron app
- Achieved 80% desktop automation coverage for my team in 4 months
- Made a PoC for web automation by extending my desktop automation framework
- Architected & built the first mobile automation framework at the company using WebdriverIO, Cucumber, TypeScript, Appium, and BrowserStack to test a native iOS and Android app
- Automated a functional API testing workflow using Postman Collection Runner and CSV data

Fetch Rewards - Madison, WI

06/22 - 11/22

SDET (Software Development Engineer in Test)

Wrote end-to-end automated tests against the Android & iOS apps, APIs, and several microservices. Maintained and improved upon existing end-to-end test frameworks.

- Continued to co-lead the SDET Apprenticeship program to help functional QA transition to SDET roles
- Wrote end-to-end mobile UI and API tests to increase test coverage of counterfeit receipt detection features by 20%
- Added a Slack reporting feature to the mobile automation framework to surface a Jira issue hyperlink for any bug with a known relationship to a test failure

Fetch Rewards - Madison, WI

01/22 - 06/22

Frontend Engineer Apprentice

Built new UI components for internal dashboards and a partner-facing website. Optimized login algorithms for a web scraper using vanilla JavaScript.

- Used MutationObservers to increase the speed of the scraper's login scripts by 300%
- Built 2 UI components using the team's preferred Svelte/Tailwind/TypeScript stack
- Trained a web scraper apprentice to replace me on the login scripts project

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- Increased the team's unit test coverage in 3 repositories using Jest, Enzyme, and Testing Library

Fetch Rewards - *Madison, WI*

02/21 - 01/22

SDET (Software Development Engineer in Test)

Wrote end-to-end automated tests against the Android & iOS apps, APIs, and several microservices.

Maintained and improved upon existing end-to-end test frameworks.

- Co-founded the SDET Apprenticeship program to help functional QA transition to SDET roles
- Wrote UI verification, full-stack mobile tests, and API tests for anti-fraud features
- Added a Slack reporting feature to the mobile automation framework to surface the platform (iOS or Android) of a bug with a known relationship to a test failure
- Onboarded 50% of the SDETs & authored the team's SDET onboarding documentation in Confluence
- Built the [Birthday Helper app](#) to make it easier to send team birthday & work anniversary eCards

Fetch Rewards - *Madison, WI*

03/20 - 02/21

QA Analyst

Tested features for a customer-facing website, internal dashboards, Android & iOS apps, and backend microservices. Reported and retested bugs, documented test cases, and improved QA processes.

- Built a React app to generate a customizable fake receipt image for functional receipt testing
- Created load testing for the Huggies Rewards+ loyalty program's API using JMeter
- Authored 90% of the QA team's onboarding documentation in Confluence

TECHNOLOGIES

- Playwright
- TypeScript
- WebdriverIO
- Appium
- BrowserStack
- RSpec
- Pytest
- JMeter
- Git
- Zephyr
- Jira
- React
- Svelte
- Tailwind

EDUCATION

University of Wisconsin - Whitewater - *Whitewater, WI*

Bachelor of Science in Education

Major - Spanish

Minor - ESL (English as a Second Language) Teacher Education