

# Steven Boutcher

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## SOFTWARE QA ENGINEER

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### Quality Assurance | Automated Test Scripting | Front-End Development

Experienced QA Engineer with a track record of designing and implementing successful test automation frameworks. Skilled in front-end development and passionate about knowledge sharing and collaboration.

## WORK EXPERIENCE

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### Trek Bicycle - Waterloo, WI

11/22 - PRESENT

#### QA Automation Engineer

Designed and built a test automation framework for a business-critical desktop app manufacturing and service technicians used. Assisted the QA Analyst with manual testing of desktop, iOS, and Android apps on a small cross-functional team.

- 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
- 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
- Gave demos and presentations about my automation framework architecture & AI tools like Appliflow Visual Testing and ChatGPT to help grow the QA Automation practice at the company

### 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 UI verification, full-stack mobile tests, and API tests for anti-fraud features
- Enhanced our Slack and Jira reporting to show whether test failures were expected due to known app bugs or not

### 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.

- Increased the speed of the scraper's login scripts by 300% using intelligent waiting with MutationObservers
- 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
- Increased the team's unit test coverage in 3 repositories using Jest, Enzyme, and Testing Library

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**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
- Enhanced our Slack and Jira reporting to show whether bugs attached to test failures occurred on either iOS or Android
- Authored 30+ docs in the internal Confluence wiki for the QA Automation team, including process docs, installation guides, troubleshooting FAQs, and user manuals for our tooling and test frameworks
- Automated the administrative overhead for sending team eCards in the QA department by building the [Birthday Helper app](#) so I could transfer the responsibility to QA managers (this is the original project; I adapted it for broader use at the company)

**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.

- Acted as the lead analyst on two packs (like Spotify's [squads](#)) concurrently, performing all feature testing on Android, iOS, and the pack's microservices, while being a top 10% contributor to regression testing on 80% of mobile release cycles
- Scaled the QA team's receipt testing efforts by creating a React app that lets analysts build receipt images and submit the corresponding receipt JSON to the backend (and documented how to use this app in the internal Confluence wiki)
- Authored 50+ documents in the internal Confluence wiki for the QA team, including user manuals on testing features, process docs, video tutorials, and resource directories.

## **EDUCATION**

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**University of Wisconsin - Whitewater** - *Whitewater, WI*

Bachelor of Science in Education- Spanish, 2018

## **TECHNOLOGIES & TOOLS**

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