JOSHUA ASHMALL-LIVERSIDGE

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Accomplished, analytical, and dynamic Software Engineer with a proven track record of driving innovative engineering solutions to meet business objectives. Highly skilled in overseeing development and delivery of complex engineering projects. Demonstrated success in utilizing agile methodologies to deliver high-quality products within tight deadlines as well as expertise in providing technical leadership and guidance to engineering teams. Exceptional communication and interpersonal skills.

SKILLS

Ruby - Ruby on Rails - JavaScript - Typescript - React - SQL - Python - Node.js - jQuery - Redux - Express - PostgreSQL - Docker - Webpack - Git - Bash - HTML5 - CSS3 - Sass - Hotwire - Coffeescript - Full-Stack Web Development

EXPERIENCE

Litmus Software, Remote   **September 2023 - April 2025**
Staff Software Engineer

- Served as a fullstack developer (Ruby on Rails + JavaScript) on Email Guardian, a flagship product designed to proactively monitor and protect email health through nightly checks. Built and maintained the Rails logic responsible for ingesting and processing results from .NET services, managing state, and surfacing issues in the user dashboard, including broken links, rendering errors, and authentication failures (SPF, blocklists, etc)
- Developed UI components and backend workflows for Email Guardian's dashboard and email notifications, allowing users to review deliverability issues in-app and receive scheduled alerts for ongoing monitoring
- Led key performance and modernization efforts on the Email Guardian frontend, refactoring legacy JavaScript and jQuery code to Turbo + Stimulus for improved maintainability. Optimized API usage to reduce calls by over 90%, resulting in 10–100x faster page loads
- Collaborated closely with product, design, and engineering teammates to plan and scope Email Guardian features, contributing to technical research, UX decisions, and implementation strategy across multiple product iterations
- Performed regular code reviews to ensure quality, maintainability, and adherence to best practices, providing constructive feedback and collaborating with team members to improve the codebase
- Contributed to app-wide bug fixes and design system improvements to support cross-product consistency and maintainability. Partnered with Customer Success to answer technical questions, troubleshoot edge cases, and provide insights that improved customer support workflows and user satisfaction

Persado, Manhattan, NY   **April 2021 - September 2022**
Software Engineer

- Utilized Ruby on Rails and React to contribute to a sophisticated language generation platform used to generate high-quality tailored marketing language for clients; components included advanced reporting, analytics, and editing capabilities for maximum efficiency and quality assurance. Implemented new features and bug fixes, as well as completed technical chores to reduce existing technical debt.
- Completed a major refactoring project to overhaul the storage of language alternatives in the app,

resulting in significant performance improvements, reduced error rates, and increased maintainability of the codebase. This involved re-architecting the database schema, rewriting key backend functionality, and rebuilding frontend components to seamlessly integrate with the new data model
- Performed regular code reviews for team members before code was merged, testing code, providing constructive feedback, and ensuring best practices
- Converted three major application UI features from deprecated backbone.js code to React components, increasing speed, readability, and maintainability
- Collaborated with remote product and QA teams to develop plans and estimate development time for new features, as well as testing new features and bug fixes before production release. Used Gitlab's CI/CD pipelines and Kubernetes to manage deployments to various sandboxes for QA testing and product approval
- Fulfill ad-hoc product and user requests: migrate and update data, generate reports in SQL, provide live user support through Slack, and research history of legacy features for product direction
- Mentored junior developers on contributing to the application as well as design principles, debugging strategies, and best practices within the organization

App Academy, Manhattan, NY   **February 2019 - February 2021**
Software Engineer / Lead Instructor
- Collaborated with a team of 4 following agile development practices to overhaul enrollments system in student information software (Rails, SQL, and React/Redux stack), allowing for the tracking of students across multiple cohorts
- Led bicoastal committee in maintaining and improving 24 assessments used to measure knowledge of student engineers, built using Test Driven Development best practices with RSpec, Capybara, Jasmine, and Jest; Supervised and contributed to the production of 3 new assessments, using historical data to identify common gaps in student knowledge
- Managed teams of 4-6 in teaching full-stack development course to cohorts of 30-60 students, graduating over 500 students into web development jobs
- Trained teams of software engineering instructors in technical skills and best andragogical practices, providing regular feedback with weekly one-on-ones and regularly scheduled performance reviews
- Supervised the construction of full-stack Rails + React web applications for over 80 students, conducting daily stand-up meetings and providing regular code reviews
- Delivered weekly lectures on technical topics including Object Oriented Programming, Data Structures, and the Client-Server Model, as well as on specific technologies including Ruby on Rails, JavaScript, React, and Redux

EDUCATION

Brandeis University, Waltham, MA
Bachelor of the Arts in Philosophy

PROFESSIONAL TRAINING

App Academy, Manhattan, NY
Full-Stack Web Development