

# Joshua Ashmall-Liversidge

Software Engineer

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Accomplished, analytical, and dynamic Software Engineer with proven track record of driving innovative engineering solutions to meet business objectives. Highly skilled in overseeing development and delivery of complex engineering projects along with driving engineering excellence, coding, programming, and web development. 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.

## Areas of Expertise

- Software Development & Engineering
- Data Structures & Algorithm
- Data Analytics & Quality Assurance
- Project & Product Management
- Object Oriented Programming
- Test Driven Development
- Process Improvement
- DevOps

## Technical Proficiencies

**Skills:** JavaScript, Typescript, Ruby, Python, SQL, React, Ruby on Rails, Node.js, jQuery, Redux, Express.js, PostgreSQL, Docker, Webpack, Git, Bash, HTML5, CSS3, Sass

**Platforms:** MacOS, Linux, Windows

## Professional Experience

**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. Administered deployments to sandboxes for testing and product approval with Gitlab's CI/CD pipelines and Kubernetes. Performed ad-hoc product and user requests including data migration/updates, generation of SQL reports, and research of historical legacy features. Delivered design principles and debugging strategies training to junior developers as well as conducted regular code reviews and liaised with remote product and quality assurance teams for feature planning and development time estimations.

- Successfully redesigned database schema along with rewriting key backend functionality and rebuilding frontend components for seamless integration with new data model.
- Instrumental in overhaul storage of language alternatives in application leading to significant performance improvements, error rates reduction, and increased maintainability of codebase.
- Spearheaded conversion of three major application user interface features from deprecated backbone.js code to React components ensuring enhanced speed, readability, and maintainability.

**App Academy, Manhattan, NY**

**January 2019 – March 2021**

**Lead Instructor / Software Engineer**

Supervised teams of up to six in teaching full-stack web development courses to cohorts of 30-60 students, leading to graduation of over 500 students into web development jobs. Headed bicoastal committee in improvement and maintenance of 24 assessments utilized for knowledge measurement, built using test driven development best practices with RSpec, Capybara, Jasmine, and Jest. Led production of three new test-driven assessments using historical data to identify trends and knowledge gaps.

- Developed and presented 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.
- Collaborated with a team of six members to overhaul the enrollment system in student information software (Rails, SQL, and React/Redux stack), allowing for the tracking of students across multiple cohorts.

## Education

**Bachelor of Arts in Philosophy**

Brandeis University, Waltham, MA

## Professional Training

Full Stack Web Development, App Academy, New York, NY