

SKILLS Python, React, Redux, TypeScript, JavaScript, Node.js, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Express.js, SQL, SQLite3, PostgreSQL, AWS S3, Webpack, jQuery, Git, Heroku

EXPERIENCE

Northspyre

Software Engineer II

August 2023 - Current

- Developed an Open API that clients can use to build integrations with Northspyre in collaboration with the infrastructure team, ensuring user-friendliness, security, and scalability.
- Active member of the backend chapter to propel our codebase forward; authored key design documents, including our Backend API Guidelines.
- Served as the primary on-call software engineer, resolving over 60+ critical issues, ensuring 99.9% system uptime.
- As the subject matter expert for our integrations, I review 75% of all submitted pull requests and serve as the primary point of contact for cross-team collaborations.

Software Engineer I

February 2022 - July 2023

- Built two-way pipelines with the QuickBooks Online and Nexus Systems APIs, utilizing AWS Lambda functions for importing data and batch APIs for efficient data export.
- Implemented a secure OAuth API for integrating Square Payments, ensuring safe transaction processing.
- Scoped and led a migration from Jinja2 to React by refining tickets and breaking down tasks, resulting in improved performance and a better user experience.
- Organized and led a software engineering book club to learn and discuss coding principles and software architecture, facilitating professional development and fostering a culture of continuous learning within the team.

PROJECTS

Quickbooks Integration | Northspyre (*React/React Query, Python, AWS S3, AWS Lambda, PostgreSQL*)

Spearheaded the design and development of Northspyre's QuickBooks integration leading to a 20% increase in client retention and driving a 15% rise in upsell among existing clients.

- Designed mapping between Northspyre data objects and their counterparts in QuickBooks, ensuring consistent data translation and integrity across all entities.
- Sculpted a versatile PDF import/export system, enabling seamless transfer and visualization of financial documents between both platforms, a feature now used on every invoice circulated through Northspyre.
- Designed an interactive React dashboard leveraging hooks and React Query for state management, facilitating clients in structuring their financial cost code data.

AllJourneys | Personal (*React/Redux, Rails 5, AWS S3, Mapbox API, PostgreSQL, Heroku*)

[live](#) | [github](#)

A full-stack single-page app clone of AllTrails, allowing users to browse and review their favorite hikes and parks.

- Implemented custom live text search functionality using Redux and AJAX requests to query PostgreSQL database and return relevant trail and park results to the user.
- Built custom backend and frontend user authentication by combining Rails Active Record, and React-Router protected components, making for a secure experience that conceals parts of the application for users without an active session.
- Integrated MapBox APIs for map rendering, static images, & directions to create a seamless user experience.

Beat Match | Personal (*MongoDB/Mongoose, Express.js, React/Redux, Node.js*)

[live](#) | [github](#)

A MERN stack team project in which playlists are curated for users based on their current mood.

- Designed MongoDB database in conjunction with Express routing methods, enabling users to save/delete playlists.
- Collaborated with frontend developers to successfully retrieve playlist information from the Spotify API, allowing users to listen to playlists directly on the application.

EDUCATION

SUNY Binghamton - BA Mathematics, BA Economics, 2015-2019

AppAcademy - 1000+ hour immersive full stack software engineering course with a < 3% acceptance rate.