

# Brennan Romance

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**SKILLS:** JavaScript, Ruby, Python, React.js, Ruby on Rails, Express.js, Node.js, Vue.js, Flask, Django, Redux.js, Vuex, jQuery, AJAX, GraphQL, SQL, NoSQL, PostgreSQL, SQLite, MongoDB, Git, UNIX, HTML, CSS, OOP, TDD, Big-O, Jira, Agile, Heroku, GCP, AWS, Docker

## EXPERIENCE

### Software Engineer

*Bloomberg LP, APR 2021 - Present*

- BVAL MUNI team: Responsible for building Bloomberg Terminal applications for pricing municipal bonds in 2 week sprints
- Trainee in Bloomberg's world class software engineer training program
- Topics covered thus far in training: UNIX, Version control, Python, Python testing, Docker

### Open-Source Software Contributor

*Volunteer Social Developer on Github, AUG 2020 - Present*

- Contributed code to [Public Lab](#)/Leadlet.DistortableImage: [Issue #722](#) Transition JavaScript methods from ES5 to ES6 syntax
- Added documentation to [Ember.js](#)/Ember.js framework: [Issue #19201](#) Show example of action call using the {{on}} modifier inside an input component. Newly available with Ember Octane.

### Jr. Software Engineer, Marketing Technologies

*Mediap Life, JUNE 2020 - DEC 2020*

- MarTech engineer responsible for all technologies related to marketing lead generation
- Create WordPress marketing landing pages and Implement prospect tracking such as TCPA verification API, Facebook Pixel and Google Analytics/Tag Manager
- Create workflow services feeding formatted, real-time campaign analytics from Facebook Marketing API to company CRM to gauge marketing expenses and performance
- Contribute to Node.js server leveraging Twilio API to route inbound leads to the appropriate agents, automate SMS conversations, send call notifications, and authenticate leads

### Sales Development Representative

*Zendesk, SEPT 2017 - OCT 2019*

- First of two employees to launch the competitive sales intelligence organization
- Sold into markets targeted by smaller, emerging competitors in the customer service and internal ITSM space
- Conducted research to identify accounts using particular competitors and build a book of business
- Created awareness in competitor accounts and starting sales cycles where an opportunity presents

## PERSONAL PROJECTS

### Cache Out

[Live](#) | [Repo](#)

*My own rendition of the popular stock trading app Robinhood - simulates managing a real portfolio for "practice investing"*

- Utilizes a Ruby on Rails back-end for its customizable rake tasks and a React.js/Redux.js front-end for its rich selection of data visualization libraries
- Prevents users from making fraudulent transactions through rails controller and model level validations, simulating real-life trading and preserving the application's integrity
- Minimizes Redux state and external API call volume by employing ternaries to retrieve only the necessary graph price data
- Calculates "snapshots" of each user's total portfolio balances at designated times using Heroku scheduler and rails rake tasks, assembling the data necessary to visually represent portfolio performance over time
- Maintains secure front-end to back-end user authentication using the BCrypt gem to salt, hash and retrieve passwords

### Beat Laboratory

[Live](#) | [Repo](#)

*A fun, sandbox-type application where users can experiment with creating beats on a virtual drum set*

- Engineered application to be as lightweight as possible, no packages used throughout the entire project
- Leveraged Object-oriented Javascript to construct the three main classes: the beat table, tempo bar and index
- Executed a setTimeout function upon render with user determined values to automate tempo bar incrementation
- Manipulated the dashboard elements using class lists to display the appropriate navigation options available to the user

### Thought Board

[Live](#) | [Repo](#)

*A virtual cork board for visually organizing notes and pictures*

- Collaborated with three colleagues building this application using a MERN stack (MongoDB, Express.js, React.js and Node.js) selected for its ease of deployment and single programming language

- Installed Multer middleware and AWS S3 libraries to provide image upload capabilities and rapid retrieval
- Incorporated Draggable.js and thunk actions to let users rearrange notes and immediately preserve their new positions
- Leveraged Canvas.js and window coordinates to build a connection line between two notes

## EDUCATION

**App Academy** - Immersive software engineering bootcamp with a focus on full stack web development (DEC 2019 - APR 2020)

**Florida State University** - *BS - Business Management* (Fall 2013 - Summer 2017)