

Alfredo Sumosa

Software Engineer

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San Francisco, CA

[Portfolio](#)

[AngelList](#)

[Linkedin](#)

[GitHub](#)

Skills

React.js, Redux, **JavaScript**, TypeScript, Knockout.js, HTML5, CSS3, C#, **Ruby**, Ruby on Rails, **Node.js**, D3.js, RSpec, jQuery, SQL, PostgreSQL, MongoDB, Mongoose, **Express.js**, Git, Github, Bootstrap 4, REST API, AWS S3, Azure, AzureDevOps, Heroku, Webpack.

Projects

Trallo (JavaScript, React / Redux, Ruby on Rails, PostgreSQL, CSS3, AWS S3, Heroku, Webpack)

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

A Single-page App inspired by Trello

- Leveraged React Router and the Redux cycle to dynamically render cards resulting in seamless user experience and navigation
- Employed customized queries and decreased server load through the utilization of Active Record associations and Database Indexing resulting in reduced load times and number of queries
- Incorporated image uploads storage using AWS S3, decreasing server load and allowing for scalability
- Designed an intuitive UI by leveraging the DOM EventTarget API and using JavaScript to programmatically change the document content resulting in a richer, more dynamic interaction and experience

Route Plan (JavaScript, React/Redux, Express, MongoDB, Node.js, Mongoose, MapQuest API, Yelp Fusion API)

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

A Single-page App where users can create walking trips, select routes, and add points of interests to trips

- Designed custom trip model using Mongoose model constructor to manipulate MongoDB documents resulting in reusability and DRY code between the development team
- Implemented jwt strategy for user authentication with Passport.js, using BCrypt for password hashing
- Utilized React lifecycle methods to lazy initialize and fetch POI information through Yelp Fusion API resulting in reduced server load and faster rendering of crucial content

Gem Cities (HTML5, D3.js, JavaScript, CSS3, Webpack, Firebase)

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

An interactive Data Visualization map showing popular destinations in your city

- Created chart showing popular destinations of your city using Amadeus API, allowing to visualize data in a user-friendly way

Experience

Microsoft (via Aerotek, Inc.), Sunnyvale, California.

May 2020 - August 2020

Software Design Engineer Apprentice

- Utilized Knockout.js computed observables to consolidate a customized validation into Azure portal scaling experience which minimized user frustrations by warning them of possible errors before they occurred.
- Applied customized logic using Knockout.js, Typescript, Azure portal, MVVC, and C# to determine the visibility of error handling on the front end.

Sky Work S.A.S., Barranquilla, Colombia.

February 2019 - February 2020

Software Engineer

- Created website structure by incorporating CSS3 and semantic HTML tags following the company's visual identity guidelines resulting in meeting company expectations and requirements in the given time.

Fundacion Simon Santander S.A.S., Cartagena, Colombia.

January 2018 - January 2019

Electrical Engineer

- Produced Power Analysis specifications of the company's electric load, ensuring the deployment of an industrial generator and a reliable source of power during frequent blackouts.

Education

App Academy | Fall 2019 | San Francisco, CA

1000-hour immersive full-stack web development course with < 3% acceptance rate

Universidad del Norte | Fall 2017 | Barranquilla, COL

Bachelor of Science - BS, Electronics Engineering