

# Alfredo Sumosa

Software Engineer

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San Francisco, CA

[Portfolio](#)

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## 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.

## Experience

**Software Design Engineer ( via Aerotek, Inc. )** | May 2020 - August 2020

Microsoft | ( LEAP Apprenticeship Program )

- 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.

**Lead Developer** | February 2019 - February 2020

Sky Work S.A.S.

- 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.

**Electronics Engineer** | January 2018 - January 2019

Fundacion Simon Santander S.A.S.

- Produced Power Analysis specifications for the company electric load and executed periodic calculations ensuring proper performance over time

## 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 key 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

## 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