

# THOMAS GREGA

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[PORTFOLIO](#)

[GITHUB](#)

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## SKILLS

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

## PROJECTS

**MapMyJog** (Rails, ReactJS, Redux, Google Maps API, Google Directions API, HTML5, CSS3, PostgreSQL)

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

*A fitness app that allows users to create and save running routes.*

- Incorporated Google Maps API and Google Directions API to allow users to interact with a map
- Leveraged React and JavaScript asynchronicity to create a single-page application for reduced load time resulting in better user experience.
- Utilized React-Router for custom frontend authentication and Rails conventions and Active Record for backend authentication.

**JobieWalkie** (ReactJS, Redux, ExpressJS, Node.js, Mongoose, MongoDB, HTML5, CSS3, Google Maps API)

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

*A job search assistant web app where users can see the latest postings of jobs on LinkedIn specific to Software Engineers with an uncluttered user interface.*

- Capitalized on the Puppeteer API to populate the database by scraping job listings specific to software engineers from LinkedIn.
- Managed a debriefs CRUD feature through ExpressJS, Mongoose and MongoDB to allow users to leave their interview experiences, make any changes or delete it on job listings.
- Implemented Google Maps API to allow users to locate companies when they click on the map.

**Pathfinder** (JavaScript (ES6), HTML5, CSS3)

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

*A pathfinding app that allows users to visualize multiple algorithms find a path from a start to end point.*

- Applied Dijkstra's and A\* algorithms to assist in visualizing the difference in the methods of finding the shortest path from one point to another.
- Implemented recursive division to randomly generate a maze for the Pathfinder to navigate and find the shortest path through.

## EXPERIENCE

### Aircraft Maintenance Technician

*SIA Engineering Company*

Dec 2018 - Jan 2020

- Verified the safety of 8 to 10 aircrafts a day, each carrying 200+ passengers and released them before their departure time.
- Inspected and monitored modern technology on Boeing 777 and Airbus A350 aircrafts.
- Followed strict maintenance procedures and guidelines of more than four countries.

### Price Change and Backroom

*Target Corporation*

June 2013 - Nov 2018

- Led a team of 8 to punctually deliver any price changes for the day before store opening to ensure customer price satisfaction.
- Mentored new hires regularly in adapting to becoming successful in the company.
- Organized and maintained the stockrooms to allow for easy and quick access to all products whenever necessary.

## EDUCATION

**Web Development** - App Academy

Summer 2020

*Immersive software development course with a focus on full-stack web development, which entailed 1000+ hours of coding.*

**FAA Airframe and Powerplant License** - City College of San Francisco

Spring 2018