

THOMAS GREGA

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS JavaScript, React, Redux, Ruby, Ruby on Rails, MongoDB, Node.js, Express.js, SQL, PostgreSQL, HTML, CSS, jQuery, Git

PROJECTS

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

[Live Link](#) | [Github](#)

Full-stack fitness web app that allows users to create and save running routes as well as add friends and comment on their routes.

- Incorporated both Google Maps API and Google Directions API to allow users to plot markers and create personalized routes, which then can be saved, edited, deleted, shared, and commented by other users.
- Utilized array local state to manipulate waypoints, providing an interface that allows users to enter commands such as undo, clear, and return for generating routes dynamically.
- Implemented both front-end authentication, using React-Router, and back-end authentication, using BCrypt (password salting and hashing), thus, providing greater and assuring security.

Pathfinder (JavaScript (ES6), HTML5, CSS3)

[Live Link](#) | [Github](#)

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

- Implemented Dijkstra's and A* algorithms to visualize and find the shortest path from one point to another in any scenario.
- Leveraged multiple combinations of event listeners, allowing users to generate custom obstacles that are seamlessly constructed and visualized.

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

[Live Link](#) | [Github](#)

Full-stack job search web app showing the latest job postings on LinkedIn for Software Engineers with an uncluttered user interface.

- Utilized Git workflow for seamless team collaboration, project allocation, and efficient code development, resulting in bug-free and on-schedule project delivery.
- Configured Node.js, Express.js, and MongoDB to support the back-end non-relational database and utilize middleware to handle communication between the back- and front-end, allowing users to write, edit or delete their interview experiences.
- Implemented the Puppeteer API to crawl LinkedIn for specific job postings, using multiple filters, then save this information to the back-end MongoDB database for use in the app.
- Implemented Google Maps API allowing users to render and display, on a map, where a specific job listing is located.

ExTra (JavaScript (ES6), ReactJS, HTML5, CSS3)

[Live Link](#) | [Github](#)

An expense tracking app that allows you to create accounts and transactions and visualize your spending with graphs.

- Utilized ChartJS in combination with React to plot spending to allow users to visualize and compare their daily spending.
- Built and deployed from scratch in two days for the Mintbean Hackathon/CareerHack.

EXPERIENCE

Aircraft Maintenance Technician

SIA Engineering Company

Dec 2018 - Jan 2020

- Provided recommendation and guidance on interpreting technical data for solving complex issues and improving features.
- Conducted rigorous testing of aircraft hardware and software components to determine quality and completeness.
- Verified the safety of 8 to 10 aircrafts a day, carrying 1600+ passengers daily and released them before their departure time.
- Followed strict maintenance procedures and guidelines of more than four countries.

EDUCATION

Web Development/Software Engineering - App Academy

Summer 2020

- Immersive software development course with a focus on full-stack web development, which entailed 1000+ hours of coding.
- Top 3% of class | GPA: 3.93

FAA Airframe and Powerplant License - City College of San Francisco

Spring 2018