DONALD MA
SOFTWARE DEVELOPER

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in donaldma ⌂ donaldma

SUMMARY

Dedicated full stack developer with a passion for building world class software. Capable of undertaking large scale projects that require careful design and best practices while ensuring that the software is both maintainable and scalable in the future. Continues to reinforce fundamentals and acquire new skills through the help of educational courses and side projects.

SKILLS

LANGUAGES:
JavaScript/TypeScript, HTML/CSS

FRAMEWORKS & LIBRARIES: NodeJS, Express, ReactJS/Redux, Mobx, React Native, AWS, JQuery, Serverless, Websockets, Chai/Mocha

SYSTEMS & DATABASES:
MySQL, PostgreSQL, MongoDB, DynamoDB, Git

EDUCATION

Lighthouse Labs
Web Development
May 2017 - July 2017

EXPERIENCE

NEW COMPANY
Co Founder, Engineering

Vancouver, BC
May 2019 to Aug. 2019

- Built out a fully functioning API for a marketplace platform
- Worked closely with co founders to understand business requirements for the product
- Created product road maps and divided tasks to satisfy deadlines
- Mentored a junior developer that was in charge of the front end work

Technologies used: JavaScript, TypeScript, NodeJS, React, PostgreSQL, Heroku

SPARE
Full-Stack Software Developer

Vancouver, BC
Nov. 2018 to Mar. 2019

https://www.sparelabs.com/
Spare is a platform that allows users to plan, launch, scale, and analyze a smart transportation network in seconds

- Part of the development team in charge of the three main products of the company: the admin panel web application and the rider/driver mobile applications
- Improved performance on one of the product's main admin features that impacted large scale customers around the world
- Refactored many parts of the code base from JavaScript into TypeScript
- Experienced the benefits and best practices of using a Monolithic codebase

Technologies used: JavaScript, TypeScript, NodeJS, React, React Native, PostgreSQL, Google Cloud Platform, Docker

COINFIELD
Frontend Developer

Vancouver, BC
May 2018 to Nov. 2018

https://www.coinfield.com/
CoinField is a Vancouver based cryptocurrency trading platform that serves over 100 different countries around the world

- Worked closely with a designer to redesign and update the entire website
- Created an internal shared library that could be consumed by different clients which allowed the re-usability of repetitive boilerplate code
- Mentored a junior developer with various backend related tasks which included building bots that were responsible for monitoring the trading platform

Technologies used: JavaScript, NodeJS, React, React Native, MySQL, Google Cloud Platform, Docker, Kubernetes

GOFETCH
Junior Software Developer

Vancouver, BC
Oct. 2017 to Apr. 2018

https://www.gofetch.ca/
GoFetch is Canada's leading pet services platform. GoFetch connects pet parents with the fastest growing, most vibrant, and personalized network of trusted and vetted pet sitters and dog walkers

- Part of the development team in charge of the main web platform and the platform API
- Engaged in technical and product discussions that plays a huge role in the growth of an early stage tech startup
- Built and designed a bot that is responsible for backing up the production database on a recurring basis

Technologies used: JavaScript, TypeScript, NodeJS, React, MySQL, AWS, Docker

PROJECTS

TRANSLINK TRACKER
A web application made to track all live Translink bus locations. Features include: Location search, bus markers, bus info, and bus routes. The purpose of this project was to practice using the react-map-gl library and to create a fun and practical application that anyone could use.

Technologies used: JavaScript, React/Redux, Express, Postgresql

SNOWLOW
A web application made for avid snow sports lovers to find the best deals online. Users provide a search term to the application, it then sends that search term to the backend where it scrapes and returns data from relevant sites.

Technologies used: JavaScript, TypeScript, React/Redux, AWS, serverless, DynamoDB

TODO LIST
A web application made for creating to-do lists for multiple users. Features include: Add a user, Add a task, Delete a user, Delete a task, and View all tasks. The purpose of this project was to practice using React/Redux for state management and practice writing CRUD operations.

Technologies used: JavaScript, React/Redux, Express, Postgresql

LIGHTHOUSE LABS - FINAL PROJECT: PUP-PALS
A simple platform for dog owners to create and join dog meetup events. This was a 4 member team project and I was mainly in charge of building the front end map component using React.

Technologies used: JavaScript, React, Express, Postgresql, AWS S3, Socket.io