Ross MacDonald | Full Stack Web Developer

Professional summary

Detail-oriented software engineer with a passion for exploring new and emerging technologies. Proficient writing **production-ready, scalable code** within an assortment of technologies, including **React**, **Node.js**, **Express.js**, **GraphQL** and **PostgreSQL**. Knack for conceptualizing and delivering **high-quality, user-friendly solutions** to **solve real-world problems**. Searching for a developer position to contribute, collaborate with other developers, and become an **eventual leader** within your team.

Tech / Languages

JavaScript/ES6	ReactJS	HTML5
CSS	Node.js	Express
jQuery	Jest	Mocha
Postgres	Git/GitHub	MongoDB
Mongoose	React Native	GraphQL
Apollo Client/Server		

Learning

VueJS	TypeScript	Microservices
Kubernetes Clusters	Docker Containers	Cloud Services

Skills

Modern Frontend Development	Full-stack Web Development
Google Analytics	Front-end Frameworks
Mobile Development	UI/UX
Team Player	Autonomy
Responsive Design	Testing/Debugging
SQL/No-SQL Databases	REST APIs
Communication	

Education

Arizona State University

Tempe, Arizona ▸ 2016
BS, Criminal Justice & Criminology, *cum laude*

Contact

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portfolio | linkedin | github

Experience

Safety Blanket   November 2020 - December 2020

- Full-stack mobile app that provides contact numbers for the user's closest public safety agencies based on geolocation.
- ▸ **React Native**, **GraphQL**, use of hooks with functional components on front end.
- ▸ GraphQL API on **Node.js** backend with **mongoDB/mongoose**.
- ▸ Integration of **Expo** APIs for geolocation, calling from the app and opening google maps from the app.
- ▸ Use of native APIs for adding department information to user's contacts.
- ▸ Soon to be available on the **iOS** app store, **Android** version on the way.

Find Your Park   July 2020 - August 2020

- Full-stack application that allows users to search for California parks, sign up for an account, and log in to leave comments.
- ▸ **Featured as a project of the month on CareerKarma.com.**
- ▸ Extensive integration of functional components with **React hooks**.
- ▸ **Node.js** server written with **Express** and deployed on **Heroku**.
- ▸ **JSON Web Token** authentication with bcrypt hashing for password security.
- ▸ **iOS** app built with **React Native** now available on the App Store.
- ▸ Implementation of **CSS** transformations & animations for improved user interface.

Hearsay   May 2020

- Platform to log encounters with law enforcement and discuss criminal justice issues.
- ▸ Responsive **React** and vanilla **CSS** front-end.
- ▸ Use of **Context API** for global **state management**.
- ▸ **Node.js** with **Express** and **PostgreSQL** on the back-end.
- ▸ **JSON Web Tokens** used for user authentication.

Meal Generator   March 2020

- Single-page app for meal planning.
- ▸ Responsive design with **JavaScript**, **jQuery**, semantic **HTML** and **CSS**.
- ▸ Instituted and maintained **A11y accessibility** best practices.
- ▸ Calls to multiple **REST API** endpoints to retrieve data.
- ▸ Search tool that allows users to narrow down results using different criteria.

Bloc Web Development Program   January 2020 - July 2020

- ▸ Learned industry best practices and practical software engineering standards, focused on **JavaScript**, **HTML5**, **CSS3**, **React**, **Node.js**, **jQuery**, and **algorithms & data structures**.
- ▸ Deployed **mobile-first** web applications from code design to production while learning **new languages** and **frameworks** by collaborating several hours every week with a senior web developer.
- ▸ Researched new technologies, software packages and frameworks for use in web pages.
- ▸ Employed **SEO** tactics to increase reach of targeted audience.

City of Mountain View

Acting Public Safety Dispatch Supervisor   July 2020 — Present
Public Safety Dispatcher II   April 2019 — July 2020

- ▸ Spearheaded team of dispatchers to effectively maintain state specifications of answering 95% of 911 calls within 15 seconds.
- ▸ Triaged 911 and non-emergency calls for police, fire and medical.
- ▸ Exercised initiative and sound judgment by **making impactful decisions** in a **fast-paced & highly technical** field of work.
- ▸ Utilized **cross-functional team experience** to more efficiently accomplish goals while collaborating with teammates.

County of Marin

Communications Dispatcher   March 2017 — April 2019

- ▸ Taught coworkers more efficient means of **problem-solving** and carrying out tasks.
- ▸ Thrived in a **fast-paced customer-centric environment**.
- ▸ **Trained and mentored multiple employees** within one year of starting.