

MARK ALPERIN

Full-Stack Engineer | Veteran | Austin, TX | (562) 253-5106 | mark.t.alperin@gmail.com
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TECHNICAL SKILLS

Front End | JavaScript (ES5/ES6), Typescript, React, React-Native, Redux, HTML5, CSS3, Babel, Webpack

Back End | Node.js, Express, Python, MySQL, MongoDB, RESTful API Development

Testing/Deployment | AWS: EC2, Firebase, Heroku, Nginx, Loader.io, Mocha, Chai, Jest

SOFTWARE ENGINEERING APPLICATIONS

Front End Engineer | [Project Greene](#) | React, Firebase, Socket.io, GoogleMaps

Interactive donation website to connect and broker exchanges between local users.

- Created map components with the **GoogleMaps API** to provide UI/UX for local-to-user data.
- Built out **React** functionality for the landing, browse, and item pages for an intuitive user experience.

Front End Engineer | [Cradle Mountain](#) | React, Redux, Axios, AWS

Commercial website front page that allows users to shop for clothing products.

- Built **custom carousels** (vertical, horizontal, nested) with **React** and **CSS** that directed users to products.
- Implemented the state management tool **React Redux** to integrate multiple widgets from different developers and reduce refactor times.
- Built API interactivity with **Axios** to gather product data and persist user shopping data.

Back End Engineer | [Ratings-Reviews-API](#) | Node.js, Express, Nginx, MongoDB, AWS

Backend system designed to handle production level traffic for 15 million data entries.

- Aggregated 15 million documents to a **MongoDB** database and optimized to reach API query response times of 14ms.
 - Horizontally scaled with **NGINX** and 3 **AWS** servers to increase capacity from 500 rps to 1400 rps.
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EXPERIENCE

Industrial Electrician | Marine Firemen's Union

2013-2021

- Investigated and repaired 100+ novel electrical failures on 300m cargo vessels, with logic-based troubleshooting.
- Executed dozens of emergency repairs that allowed the ship to depart on schedule, saving many tens of thousands of dollars.

Infantry Squad Leader | 3/75th Ranger Regiment, US Army

2001-2006

- Thrived in a high-stress environment with a demanding schedule and dynamic goals, evidenced by 5 special-operations deployments to Afghanistan and Iraq.
 - Planned and executed a program of technical and tactical training for a 9-man squad.
 - Mentored 5 junior soldiers to complete ranger school and 2 team leaders through NCO promotions.
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EDUCATION

Hack Reactor | Certificate, Advanced Full-Stack Software Engineering

2022

Seattle Maritime Academy | Certificate, Marine Engineering Technology

2013

University of California Santa Cruz | B.A. Community Studies: Economic Justice

2011

AWARDS

- Significant military decorations: **Bronze Star Medal** with 'Valor' device, **Soldier's Medal**, **Army Commendation Medal x2**, Army Achievement Medal, Ranger Tab. (Please feel free to verify my military record or contact me if you have any questions)
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INTERESTS

- Any and all board games, long-distance backpacking, recreational sailing.