Connor Jacobs

Software Engineer | Full Stack Web Developer

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My two great passions in life are engineering and outdoor education. I've pursued my love of critical thinking and technical problem solving through over five years of developing meaningful products in the medical device industry. I've used cross-functional collaboration and technical communication to deliver life-saving technologies to millions of people globally. As a full-stack developer, I continue challenging myself to build products that provide value to society, while leveraging my backcountry-forged leadership skills and passion for creative, flexible solutions.

Skills

Front End: HTML l CSS l JavaScript l React.js l Svelte l Responsive Web Design l Sass l Bootstrap l jQuery l Netlify

Back End: Node.js l Express.js l Ruby on Rails l AWS l Golang l MongoDB l PostgreSQL l Heroku

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Projects

Sun and Moon - This single-page React application provides details on standard event times of our Sun and Moon. Search by location to see everything from rise and set times to altitude and azimuth. Images of the sun and moon are programmatically located in the app to help visualize their locations in the sky. [Github](#) l [Live App](#)

Hee-Haw Adventures - This app is supported by a Svelte frontend and a Go/Echo/PostgreSQL backend. This is where I plan and post all of my upcoming personal backpacking trips. Those who are registered users can sign up to participate. [Github FE](#) l [Github BE](#) l [Live App](#)

Plantie - Plantie is a React/Node/Express/Mongo application designed for plant enthusiasts. Using a custom-built database of common houseplant species, it provides important information including sunlight and watering needs. Users can track a watering schedule for their green friends to stay on top of their care. [GitHub FE](#) l [GitHub BE](#) l [Live App](#)

Professional Experience

Reliability Engineer   Medtronic - Santa Rosa, CA   July 2017 – May 2019

Associate Reliability Engineer   August 2015 – July 2017

- Led safety and performance test method development and validation activities across multiple coronary medical device projects
- Leveraged strong verbal communication skills to organize and facilitate cross-functional collaboration on key quality and design deliverables including risk analysis, product specifications, and validation reports
- Led root-cause investigations for non-conforming product in pre- and post-market environments
- Worked alongside sales and marketing teams around the world to provide a direct connection between the customer and our engineering teams

R&D Engineering Contingent   Medtronic - Santa Rosa, CA   January 2014 – August 2015

- Designed and executed formative and summative Human Factors Engineering studies for a series of accessory devices for coronary transradial procedures.
- Supported mechanical design process through creating and updating drawings and 3D models
- Designed and executed key safety and performance test methods during early stage development to achieve consistent results to support major design decisions.
- Conducted document control procedures for key design deliverables

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Education

The Johns Hopkins University – Baltimore, MD   General Assembly - Software Engineering Immersive
B.S. – Biomedical Engineering, May 2013   Certificate of Completion, June 2021