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Nationality: USA
Location: Interlaken, Switzerland (UTC + 1)

Technologies

JavaScript (React, React Native, Redux, TypeScript, Node, Express, React Testing Library, Storybook design systems, Leaflet, Vue, Angular, jQuery), HTML/CSS (responsive design, Tailwind, Bootstrap, Semantic UI, SCSS), PHP, Git

Education

Montana State University / Bachelor's of Science, Computer Science
August 2012 - May 2016 | Bozeman, MT, USA

Experience

Software Consultant (Present)

Consulting references available upon request.

Zeit Medical

For Zeit Medical I built both an iOS and Android application using React Native/Expo to onboard stroke detection study participants and help them provision Zeit's IoT device with local WiFi credentials via Bluetooth. The mobile application is used by 300 study participants and connects with the device to show real-time websocket data about the participants' hardware state and health.

Lennar Corporation

I worked with engineering firm HappyFunCorp to build a tool with React and Apollo for a Fortune 500 client to manage construction details of homes. The main functionality is live spreadsheet-style data editing, and the production version handles about 50,000 homesites spread across five US states.

Wyssen Seilbahnen AG / Senior Frontend Engineer

January 2021 - September 2021 | Reichenbach im Kandertal, CH

I worked on an IoT dashboard for control of avalanche detection and mitigation systems, building features, performing bug fixes, and modernizing the software toolkit for a monolith PHP web app using Vue, React, and jQuery micro-frontends. The dashboard pulls data from approximately 600 IoT devices distributed across eight different countries, with security considerations for control of explosives.

- Integrated modern Vue tooling into the development workflow, increasing developer velocity and UI consistency
- Worked with data-heavy maps using Leaflet to integrate and manage avalanche control, weather, and topographical data
- Mentored new developers and engaged in knowledge transfer
- Analyzed and upgraded legacy coding practices, team communication, and development patterns

Lateral GmbH / Frontend Engineer

February 2019 - January 2021 | Berlin, DE

I specialized in using React to build training interfaces for machine-learning models. I built and grew a suite of tools to classify, group, and relate documents.

- Implement super-performant HTML Canvas interfaces to edit and draw on 100+ page text-rich PDFs
- Achieved consistency in tool UIs by growing a shared component library using React/Storybook
- Built admin training interfaces to manage documents and data relationships for classifiable entities
- Wrote component tests using react-testing-library

The Business Garage / Full Stack Engineer

June 2016 - January 2019 | Bozeman, MT, USA

The Business Garage is a software development consultancy specializing in startups. I worked on React frontend interfaces, constructed REST APIs, built Android apps, and managed infrastructure on AWS.

- Built a landing page, admin dashboard, API, and AWS infrastructure for an SMS-based promotion entered by up to ~15,000 people simultaneously at Major League Baseball games
- Developed Leaflet maps to display event staff NFC and GPS location data, with ~150 staff members regularly pinging hundreds of NFC beacons
- Researched and feasibility-tested a number of different cutting-edge tools for speech processing (recognition, scoring, speaker diarization, sentiment analysis, text summarization), and built a web interface to upload inputs, run them through different speech recognition tools, and visualize the results

ShareLift / Lead Full Stack Engineer

August 2015 - April 2016 | Bozeman, MT, USA

A startup leveraging ridesharing culture for the ski community of Bozeman.

- Organized initial project development and integrated contributions from two other developer interns
- Built a cross-platform app allowing users to share car rides to two local ski resorts
- Engaged in UX discussions to build the MVP app for a winter season sensitive market using Meteor, Angular, MongoDB and Cordova for rapid prototyping

About Me

Outside of the technology world, I love being in the mountains: running, skiing, and climbing all bring me immense joy. Salsa dancing and acro yoga also keep me busy. I'm based in Interlaken, Switzerland, where there are many opportunities to stay active!