

TECHNICAL SKILLS

Strong: Javascript/ES6, Typescript, React(Hooks), Redux (Thunk/Toolkit), SQL, Node, Express, Next.js, Git, CSS

Experienced: Python, Jest/React Testing Library/Cypress, Java/Spring Boot, AWS Cognito/S3/Lambda, React Native

EXPERIENCE

Hack for LA | Software Engineer

Oct. 2021 - Current

- Worked on a scalable, case management software for temporary housing, leveraging Typescript and React's component-based architecture on the client and an API built with Python and Flask.
- Delivered a multi-role auth system using AWS Cognito, Flask, and React, allowing for the development of custom auth strategies and flexibility in account creation, such as by invitation, 3rd party provider, and passwordless auth.
- Led the redevelopment of a legacy Java Spring Boot microservice and integrated with third-party calendaring APIs.
- Instituted the revamp of a React codebase with a development overhaul by updating it to Typescript and Redux Toolkit.
- Streamlined the development experience and simplified onboarding for new developers by configuring Docker and Docker Compose to initialize and run both the client and server-side containers in isolated environments.
- Wrote Swagger and OpenAPI documentation in YAML, and used it as the source of truth in the generation of SQL data models, Typescript types, and Redux data fetching hooks for synchronicity between frontend and backend.
- Collaborated with design using Figma and Storybook to create intuitive user experiences and translate designs to code.

Codesmith | Software Engineer

Aug. 2018 - Dec. 2018

- Responsible for a multi-step application process by integrating React components with Redux Form's field-level validation and Redux Thunk to handle asynchronous requests and the persistence of data in the application state.
- Expanded Jest and Enzyme testing suite, integrated into Travis CI, to boost coverage and improve code confidence.
- Delivered an end-to-end solution for upcoming events by creating React components and API endpoints written with Node.js and Express to query and filter data from a SQL database providing increased visibility of upcoming events.
- Built PropTypes validators to support polymorphic React components recursively generated from static YAML content.
- Implemented advanced CSS styling techniques with Sass to create highly responsive and accessible websites.

React-Proto (Open Source) | Software Engineer

May 2018 - Aug. 2018

- Developed open source, cross-platform prototyping tool with React and Node.js runtime (in Electron) allowing users to upload mockups, and generate code, to expedite the developer workflow. 3.1k stars; 205 forks on GitHub.
- Wrote a recursive algorithm to parse a normalized data structure from within Redux state, and then utilized Node's FileSystem module to write files to a user's project in an asynchronous, I/O manner, and avoid blocking the UI thread.
- Used Konva.js to produce wireframe components, leveraging the library's performative animation and event
- Created a Redux subscription with IndexedDB for offline functionality and to persist data between user sessions.

EDUCATION

University of California, Santa Barbara - B.A. Geography/Geographic Information Science

INTERESTS

Spending long days surfing or rock climbing with friends, pizza making and pottery, consuming ramen