

TECHNICAL SKILLS

Proficient: JavaScript (ES6+), React (Hooks, Context API, Router), Redux, TypeScript, Node.js, Express, Version Control, Relational/Non-Relational Databases, REST, HTML, CSS, Webpack, Material-UI, Tailwind, Chakra-UI, React Testing Library
Strong: GraphQL/Apollo, jQuery, Bootstrap, Jest, Enzyme, Puppeteer, Sass/SCSS, Responsive Design

EXPERIENCE

Bitovi | Junior Developer Consultant | *Software engineering consulting firm based out of Chicago, IL.* July 2021 - April 2022

• Yum! Brands

- YumStore is an internal tool that serves as a test application for new features, endpoints, and QE discoveries.
- Enforced TypeScript's strict typing system for early detections of compile-time errors during the development phase by defining interfaces for state and components to provide structure.
- Utilized Tailwind for more control, improved speed, and negates the need for a separate stylesheet during the CSS process.
- Incorporated React Testing Library with Jest for a lightweight solution for unit and integration testing.
- Implemented Mock Service Workers in YumStore to intercept data requests on the network level for testing REST and GraphQL endpoints without having to communicate with other pods.
- Created UI for YumStore based off Zeplin wireframes created by the UX team that adhered to accessibility principles.

ReactType | Software Engineer | *A visual prototyping tool for developers employing React component architecture alongside the comprehensive type-checking of TypeScript.* March 2021 - July 2021

- Incorporated React's container pattern to create an application with modularized, reusable components that maintains DRY principles and separates stateful and presentational components for unidirectional data flow from Higher-Order Components.
- Implemented React Hooks in conjunction with the Context API to extract stateful logic from functional components to be reused independently without altering the component hierarchy independently to avoid prop drilling in the application.
- Utilized a Non-Relational Database to store user documents into their respective collections and to take advantage of the flexibility, maintainability, and scalability offered by Non-Relational Databases compared to Relational Databases.
- Optimized the UX with Material-UI's accessibility features by incorporating universal design principles that comply with the WCAG-2.1 AA for improved operability through the implementation of character key bindings for mouse-free usage.
- Product developed and maintained under tech accelerator OS Labs (opensource.labs.io).

OPEN SOURCE WORK

• PaperTrail | *Receipt Tracking Visualizer*

- Established Node.js/Express server to efficiently handle HTTP/API requests to a myriad of endpoints by engaging the middleware design pattern, writing routers, and controllers to enhance readability and for a more organized file structure.
- Incorporated an Optical Character Recognizer API to scan the price of user submitted receipts that were then rendered to the page calculating the total amount spent per user-defined category and stored in a NoSQL Database.

• PlayDate | *Social Dating Platform for Pet Owners*

- Used React Router to boost loading performance by establishing dynamic, client-side routes to minimize server requests.
- Built application with Webpack for future scale, maintainability, and faster load times by writing configuration to utilize hot module reloading, ES6+ transpilation, and using minification and uglification features to decrease bundled file size.
- Utilized Bcrypt's password-hashing functionality for complete anonymity between the user and the application when storing sensitive user data in a Non-Relational database, and for increased resistance against brute-force attacks.

EDUCATION

California State University East Bay | B.S.

Hayward, CA

RECENT TALKS & ARTICLES

• TypeScript: Strict Typing Systems, the Missing Piece of JavaScript

- A brief history of TypeScript, the argument for static types, a comparison for alternative static type checkers, and potential use cases, and a live demo. Sponsored talk by Single Spout's Speaker Series.

• ReactType: Collaborate on your next React Project | *Medium Article*

INTERESTS

Mixed Martial Arts | Travel | Exercise & Wellness | Skateboarding | Hiking Griffith Park (50 miles/Dec 2021) | Gonzo Journalism | Green Juice | VR news | Finding the best sushi spot in LA | Reading | Snowboarding | Espresso | St. Jude | Cab Sauv