

Evan Crews | Software Engineer

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Technical Proficiencies

Strong: JavaScript (ES6+), React (Hooks, Router), Redux, REST API, Node.js, Express, PostgreSQL, NoSQL (MongoDB), Styled Components, HTML, CSS/SaSS, Agile, TDD (Jest, Enzyme, Supertest), Git/Github

Experienced: OAuth, TypeScript, AWS, Docker, WebSockets, Bcrypt, Travis CI, Electron

Experience

Reactype | Software Engineer | 2021 - Present

- Used React Redux to streamline state management and simplify future development of the app by reducing the amount of prop drilling and tracking of state changes through multiple components.
- Deployed React Hooks in order simplify the creation of new components, improve the readability, maintainability, and scalability.
- Implemented a Material-UI frontend framework to leverage the Less styling functionality to refine the stylistic design of the app throughout in order to create a visually aesthetic appearance for the clients.
- Constructed a Node.js Express Server to efficiently handle HTTP and API requests to a myriad of endpoints based on the middleware configuration, controllers, and routers to modularize the backend resulting in easy error handling.
- Implemented Electron to improve efficiency of use from a desktop, regardless of browser, allowing for faster development of frameworks and exporting, as well as improving functionality.
- Implemented OAuth to improve security among clients, as well as simplifying the login process.
- Utilized Passport.js middleware in conjunction with Express.js and using persistent cookies to allow for better tracking of saved files on the app as well as user preferences.
- Enabled BCrypt as an alternative to OAuth by using hashing algorithms and adding salts to it to ensure high security.
- Implemented TypeScript to reduce the number of runtime errors by leveraging the variable definition tools throughout the app to avoid common issues normally found with vanilla JavaScript.
- Leveraged a NoSQL database to streamline the process to securely store data for retrieval at a later date or on a different machine, as well as storing user data for users that opted out of the OAuth login process.
- Established Webpack to improve scalability and maintainability as well as decreasing load times by configuring it to utilize ES6+ transpilation for developer packages and implementing minification and uglification features to decrease the bundled files size.
- Worked with an agile team in a scrum environment to effectively delegate and complete tasks within a timely manner.
- Using a Test Driven Development approach to write tests to set high standards before implementing code.

Open Source

Task Manager | A full-stack application to manage tasks and goals to complete

- Built a Node.js/Express server to handle HTTP and API requests to multiple endpoints using the middleware formatting, routers, and controllers to effectively build a backend that is modularized, which enhances readability and scalability, as well as simplifying debugging across the app.
- Implemented Webpack to improve scalability and ensure performance regardless of size by writing configuration to gather and transpile all ES6+ files, to use the minification and uglification features to decrease final bundle size.
- Incorporated a streamlined database able to take and securely store data for retrieval at a later date, as well as have the ability to adapt its size and performance based on user base.

Frollic 2.0 | A Full-Stack application to search for a variety of activities and locations

- Utilized React to create a user interface that possesses accessible qualities and clean UI for clients, leveraging functional hooks to take a variety of inputs, and make RESTful API calls
- Implemented Express to build a scalable backend by allowing compartmentalization of middleware functions and handling a variety of endpoints to link the front end with a multitude of APIs and access the database.
- Utilized a SQL database to securely store relational data to improve UX by allowing users to store their favorites and preferences.

Publications

Sass and Less: Single Sprout Tech Talk – 3/18/2022

[Medium Article: Reactype](#) – 3/10/2022

Education

Norco College: Associates Science

Interests

I love to go camping and being able to cook outdoors, it's a great time to unplug my mind and reset

I am a Star Wars Fanatic