

DAN BOURDIER

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SOFTWARE & PLATFORM EXPERTISE

JavaScript (ES6), React.js (Hooks/Class), Vue (3), Redux.js, Webpack, Babel, NPM, D3.js, HTML (5), CSS (3), Flexbox, Ruby on Rails (5) (MVC Frameworks), PostgreSQL (Postgres), SQL, Express.js, Node.js, Git, GitHub, Gitlab, Heroku, Netlify, TDD, Jest, AWS

EXPERIENCE

ETS, Remote

April 2021 - Present

Software Engineer

- Designed reusable component architecture that aided prompt shift from Flutter to Vue.js framework following decision to develop a PWA instead of a native app due to targeted market trends.
- Developed cross browser audio recording feature that defaults to a poly-fill for incompatible browsers such as Safari.
- Integrated Google Analytics to communicate design solutions to stakeholders in bi-weekly sprint reviews.
- Authored an events service that passes a JWT and prepends base URIs to every request through use of proxies.

Tutoria, Remote

June 2020 - January 2021

Software Engineer

- Implemented embedded detection and conversion of links within the web application messaging feature using a regex parser that traverses a tree of DOM elements and closes anchor tags around identified links.
- Collaborated in a remote Agile environment to engage in code reviews to implement features built on React.js and Ruby on Rails, collaborative technologies included Trello, Slack, and GitHub pull requests.
- Developed mobile-responsive design with CSS3 media queries that styled elements based on the user device's screen size.
- Authored front end unit testing with Jest to add an additional 10% coverage to the app's codebase.
- Improved SEO performance measured with Google Lighthouse by deferring expensive component loading and adding metadata for improving site visibility.

U.S Army Special Warfare Center of Excellence, NC

Jan 2015 - May 2019

Human Resources Analyst

- Spearheaded the application of an SQL-like database managing 25,000+ employees over three days, exceeding the organization's standard of 80% to > 95% readiness.
- Earned awards for placing top three in role-specific competitions through embodiment of core Army values, positive attitude, continuous improvement, eye for detail, and a lasting impact on increasing responsibility positions.

PROJECTS

Walk Around Town: Frontend Single Page Application

Live | GitHub

- Employed React (v17) Hooks API to couple modular, functional components with ES6 asynchronous promise handling for seamless API calls to the YouTube Data API for manipulating and fetching video content.
- Improved initial load speed by 25% through lazy loading APIs and dynamic loading of UI bundled with Webpack 5 by leveraging life-cycle methods such as `useEffect` to load APIs upon change to state after mounting to DOM.
- Designed dynamically positioned UI using CSS3 flexbox, absolute positioning, and viewport size of multiple devices.

Tri' Harder: Full Stack Web Application

Live | GitHub

- Solidified end-to-end development from wireframe to product with React 15 and Redux 4 to leverage store in saving session tokens, authenticating user login with password hashing, and state management for input event changes.
- Leveraged data from Google Maps' API cached in Redux store to render React charting UI populated by geospatial data from calls to the API. Redux store is then parsed via React `componentDidMount` to render UI for each object.
- Realized RESTful development best practices by communicating JSON between AJAX calls from Redux actions to back-end Ruby on Rails (5) routes and returning respective HTTP codes/JSON from the framework.
- Capitalized on CRUD design by engineering Ruby on Rails' models and controllers to exploit the many to many associations of PostgreSQL's database design using the ActiveRecord framework ORM (object relational mapping).

EDUCATION & TRAINING

App Academy – Full Stack - 2020 Special Warfare Center of Excellence - 2019 Fort Jackson Human Resources Training – 2015