

BEN ANDERSON

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[PORTFOLIO](#)

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SKILLS

React / Redux Hooks, Express JS, Flask, Node JS, SQL, CSS3, HTML5, Node, Git, AWS S3, Python

PROJECTS

NoiseWave (Express JS, AJAX, Pug, HTML5, Sequelize)

[live](#) | [github](#)

Noisewave is a SoundCloud clone powered by AJAX and Express

- Provided secure user authentication using bcrypt hashing to encrypt and check user passwords, protecting users' email addresses, passwords, and identity
- Built form modals with CSS's z-index and animation properties that allowed users to have easy access to log in, sign up, and music upload forms
- Produced a single page web app with an Express server and JavaScript event listeners that used AJAX to fetch HTML compiled from Pug templates. This let users listen to music uninterrupted by full page reloads while navigating the website

stumblr (React, Express, Sequelize, Material UI React, AWS S3)

[live](#) | [github](#)

Stumblr is a website where users can share text, photos, video or audio content with their followers

- Provided secure and reliable access to media content using S3 and multer npm packages to upload objects and retrieve their access keys. Separating uploaded user content storage from the main app made it possible to upgrade or add more storage as user activity grows without touching the application.
- Constructed a card-based feed of users' posts by Incorporating the Material UI component library, making a clean and appealing user experience

Cause.com (Flask, React/Redux, SQLAlchemy, boto3)

[live](#) | [github](#)

Cause.com is a change.org clone with a React/Redux front-end built off of a Flask backend

- Constructed a multi page petition creation form utilizing React component state that streamlined petition creation and reduced the amount of bad data being sent to the server
- Minimized the size of the redux store by carefully selecting where data is loaded or updated in React and scoping the API endpoints to fetch only the most relevant information which resulted in less rerenders and smaller loading times
- Designed RESTful API endpoints off of a Flask server that complies with industry standards and clearly outlines how to retrieve entries from the database

Fork (React, Redux, Flask, SQLAlchemy, Grommet)

[live](#) | [github](#)

Fork is a recipe sharing app that lets users create and browse through recipes

- Displayed recipes from the database in an infinite scrolling feed that dynamically fetches content from an API server that provides a smooth user experience with minimal loading times.
- Planned and implemented front end navigation using React Router's routes and hooks as well as custom container components, making it possible to reuse components and ultimately providing a smooth and seamless experience.
- Stored user and recipe data in a Redux Store, using React Hooks to retrieve and update the store's state, making critical data consistent and accessible to the user.

EXPERIENCE

Dishwasher- *Blue Agave Grill, Fort Collins, CO* | July 2018 - March 2020

- Responsible for dishes and equipment from all over the restaurant- tables, line, prep, etc.- ensuring the pipeline from washing, rinsing, drying, and running was as efficient as possible..
- Prioritized several tasks at once by anticipating which dishes and equipment would be in the highest demand while being flexible enough to handle new tasks and changing priorities
- Coordinated with other dishwashers to cover all of the restaurant's needs in a quick and efficient manner

EDUCATION

Web Development - *App Academy* | Fall 2020

- 1000-hour immersive, full-stack web development intensive with <3% acceptance rate
- Topics include: TDD, scalability, algorithms, OOP, coding style, REST, security, single-page apps, and web development best practices.

B.S., Psychology - *Ball State University, Muncie, IN* | 2012 - 2016

- Curriculum highlight: Data Structures & Algorithms, Linked Lists, Trees, Graphs, Search Algorithms, Sorting Algorithms, Greedy Algorithms, Discrete Mathematics, Computer Architecture, Symbolic Logic, Boolean Algebra, Human Factors, User Interfaces, Cognitive Psychology