

Christopher Mizell

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SKILLS React, JavaScript, Python, Redux, TDD, HTML5, CSS3, SQL, Git, Heroku, ORM, Node.js, Express.js, Flask, SQLAlchemy, Sequelize, Data Structures and Algorithms, AWS.

PROJECTS

Vinyl (JavaScript, Pug, CSS3, PostgreSQL, Sequelize, Express.js, Node.js)

[Live Site](#) | [Github](#)

Web-based discussion application using Pug / CSS frontend and Javascript / Sequelize backend leveraging PostgreSQL for a scalable database server.

- Leveraged Sequelize queries in a sorting algorithm to display the most popular posts on the splash page
- Implemented modals using JavaScript event-listeners and CSS3 to facilitate intuitive UX/UI to eliminate user confusion.
- Collaborated with a team of 4 engineers utilizing Git flow to maintain code and to minimize merge conflicts.

Vapor (Python, Flask, SQLAlchemy, Alembic, AWS, Boto3, JavaScript, React, Redux, CSS3, PostgreSQL)

[Live Site](#) | [Github](#)

Pixel Perfect Clone of steamgames web application built using React / Redux frontend and Python / SQLAlchemy / Flask.py backend leveraging PostgreSQL for scalable database.

- Optimized Redux state by flattening data, allowing for O(1) lookup time, therefore cutting load times by 100%.
- Utilized AWS S3 bucket to implement user and game images upload interface, reducing server load and allowing for scalability of image services.
- Incorporated MVC architecture with polymorphic model associations to reduce the number of required tables by 25%.

Quizlr (Python, Flask, SQLAlchemy, Alembic, JavaScript, React, Redux, CSS3, PostgreSQL)

[Live Site](#) | [Github](#)

A Quizlet Clone where users can create studiable quizzes, create flashcards, and save a library of quizzes. Built using React / Redux frontend and Python / SQLAlchemy / Flask.py backend. Integrated PostgreSQL database.

- Reduced needed PostgreSQL database tables by 25% and heavily DRYed up backend code by utilizing a one-to-many polymorphic table on the database level.
- Incorporated React-Redux container and Redux selector patterns to architect highly scalable and uni-directional front-end state management to clean up load times by 80%.
- Assembled React components using Node.js libraries to aid in visuals for better user interactions.

OnlySounds (JavaScript, React, Redux, CSS3, PostgreSQL, Node.js, Sequelize, Express.js)

[Live Site](#) | [Github](#)

A music application inspired by Soundcloud's UI to allow users to upload music, and review music. Built using React/Redux frontend and Javascript / Sequelize / Express.js Backend. Utilizing PostgreSQL database.

- Utilized React Hooks with Redux's Store to create a seamless audio experience while navigating the website.
- Harnessed the unidirectional state management of Redux to simplify React components and manage form data resulting in 40% faster load times.
- Maintained 3rd-part cloud storage to eliminate the complexities of binary large objects in PostgreSQL database.

EXPERIENCE

Hotel Zeppelin

San Francisco, CA

BellPerson

January 2020 – March 2020

- Contributed to a positive, empowering work environment by consistently performing assigned day-to-day responsibilities
- Tracked guest satisfaction surveys to recognize trends and create action plans for improving guest services
- Welcomed guests to the property and provided exceptional service upon arrival/departure and throughout the guests stay

EDUCATION

App Academy

San Francisco, CA

Curriculum of Study in Web Development (Python and JavaScript)

December 2021– June 2022

Diablo Valley Community College

Concord, CA

Associates in Computer Science

January 2017– Present