

Alex Auch

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SKILLS

Languages: Javascript, Python, HTML, CSS, SQL

Frameworks/Tools: React, Redux, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, SQLite, Alembic

Key Skills: Object-Oriented Programming, Pair Programming, Agile Workflow, Scrum Methodologies

PROJECTS

Blogsta (JavaScript, Python, HTML5, CSS3, React, Redux, Flask, SQLAlchemy, Postgres)

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

A full-stack text and image microblogging application with posting and commenting features.

- Designed a database utilizing the SQLAlchemy ORM by building custom models and their relationships, created seeder data, and used the alembic migration tool to migrate database changes.
- Validated submitted data through custom frontend validations as well as utilizing builtin and custom WTFORM validations.
- Crafted a responsive and intuitive React frontend with multiple components that utilize a Redux store for easy data manipulation and communication with the backend.

PunchEnder (JavaScript, Python, React, Redux, HTML5, CSS3, Postgres, SQLAlchemy, Flask)

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

A full-stack crowdfunding application that allows users to create projects and reward users who help fund projects through backings.

- Maintained a proper git workflow when working on sections other group members were working on and when needing to test and merge new features.
- Engineered a Flask backend for user backings with multiple routes that respond to requests from the frontend by accessing, creating, and manipulating data in the database.
- Developed a Redux store that utilizes thunks to make fetch requests to the backend where the response data is used to manipulate the user backings slice of state.

AI's BnB (JavaScript, React, Redux, HTML5, CSS3, Express, Sequelize, Postgres)

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

A full-stack application that allows users to list, review, and book vacation spots.

- Implemented a multi-route Express backend that uses the Express-Validator package to validate incoming request data before connecting to the database.
- Designed a multilayer Redux store with reducers to manipulate and store data from the database that is accessible throughout the application.
- Built a React frontend that utilizes builtin and third party components to provide a tailored user experience (UX) based on data ownership and user permissions.

EXPERIENCE

United States Air Force

Electronic Warfare Technician

Dyess AFB, Texas

March 2010 – July 2013

- Inspected, tested, and maintained electronic warfare and countermeasure equipment on C-130s.
- Utilized documentation and diagnostic tools to properly troubleshoot issues with equipment.
- Implemented repairs using rewiring and soldering skills.
- Replaced parts when needed by ordering parts through proper inventory channels while maintaining proper chain of command and record keeping.

EDUCATION

App Academy

Full-Stack Software Engineering Course

Remote

June 2022 - January 2023

Flathead Valley Community College

Information Technology and Security

Kalispell, Montana

January 2019 - December 2020