

Cody Lavene

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SKILLS React / Redux, JavaScript, Python, Flask, SQLAlchemy, AWS S3, Agile, PostgreSQL, Sequelize, Git

PROJECTS

Basebook - Facebook Clone (Flask, Python, SQLAlchemy, JavaScript, React, Redux, CSS3, Docker) [Live Site](#) | [Github](#)

- Leveraged the use of a **Redux** store for unidirectional state management, ensuring state updates only happen when an action is made by the user that requires an updated version of state.
- Optimized deployment by building the application into a **Docker** container, ensuring consistent builds.
- Implemented a custom **React** hook to grab the users default machine preferences for theme on initial visit, while utilizing local storage to persist a chosen theme preference for subsequent visits.
- Improved user experience by creating custom loading animations with **CSS** that display while data is being fetched.

Splitabill - SplitWise Clone (React / Redux, Python / Flask, SQLAlchemy, PostgreSQL, CSS3, Docker) [Live Site](#) | [Github](#)

- Advocated for and implemented a "development" branch for testing all code prior to merging and deploying main to ensure production level code would never break.
- Leveraged communication and team-work skills to collaborate with a group of three to create this dynamic, single page react application on a one week deadline.
- Created a custom animation with vanilla **CSS** for the scrolling text on the landing page.
- Utilized **Canva** and **Figma** for all logo design, branding, and **wireframing**.
- Incorporated Stripe **API** with test keys to simulate real-time, monetary transactions in a real application.

Udderly Forgetful - Remember the Milk Clone (JavaScript, Express, PostgreSQL, Sequelize, Node.js) [Live Site](#) | [Github](#)

- Leveraged leadership and communication skills while collaborating with a group of four to create this full stack application under a tight deadline of one week.
- Assumed responsibility for creating two core features, Tasks and Lists, while implementing both back and frontend functionalities.
- Utilized problem-solving skills with vanilla **JavaScript** to replicate the seamless **UX** of a web app built with **AngularJS**.
- Developed a custom **API** following **RESTful** conventions with **Express** to serve all data to authenticated users.

SpaceCation - Airbnb Clone (React, Redux, Express, CSS3, PostgreSQL/Sequelize, AWS, Node.js) [Live Site](#) | [Github](#)

- Used functional component based **React** and **Redux** to make a responsive web app providing a clean **UI** and a smooth **UX**.
- Implemented a date range calender for reservations, using date-fns package to work with dates and disable unavailable dates.
- Reduced server load and allowed for scalability of the application by incorporating **AWS S3** for media storage.
- Deployed Minimum Viable Product in four days with **Heroku CLI** tools.

EXPERIENCE

Pacha Soap Co. | Production Team Lead **Hastings, NE** | September 2019 – January 2021

- Leveraged leadership skills to guide team to produce ~**70,000** bars of soap by hand per week.
- Reduced product loss by > **50%** compared to the year prior by defining, authoring, and holding the team accountable to daily, standard operating procedures.
- Aided in the implementation of kanban scheduling at a production level to transition into an **agile** style environment.

Production Team Member September 2016 – September 2019

- Designed and engineered a manufacturing process that increased throughput by **300%**
- Worked closely with R&D to ensure new products were **scalable** to mass production.

EDUCATION

App Academy | Fullstack Software Engineering | Web Development **Online** September 2021 – March 2021

- Immersive 1500+ hour software development course with <3% acceptance rate
- Topics include: TDD (Test Driven Development), OOP (Object Oriented Programming), Coding Best Practices, REST, Security, Data Structures, Algorithms, Systems Design & Architecture, Agile/SCRUM Methodologies

University of Nebraska at Omaha | Pursued Degree in Bioinformatics 2013-2014

Relevant Coursework Includes:

- Worked with Java and used OOP to work with genetic sequences in Bioinformatics class.