

Cody Lavene

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

PROJECTS

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

A to-do list app

- Collaborated with a group of four to create this fullstack application in one week.
- Used only basic JavaScript to replicate the functionality 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](#)

Airbnb, with a twist: space properties for rent.

- Used React to make a responsive web app
- Built a custom API to serve all data to users and incorporated AWS S3 for media storage to reduce server load.
- Deployed MVP in four days.

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

An application used to split expenses with friends.

- Collaborated with a group of three to create this dynamic, single page react application.
- Created an event listener that triggered a synthetic event to interact with a component that is otherwise not connected to the aforementioned component.
- Incorporated Stripe API with test keys to simulate a real application in which users would pay friends.

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.
- Optimized deployment by building the application into a Docker container.
- Implemented a custom React hook to grab the users default machine preferences for theme on initial visit. Subsequent logins use local storage to persist a chosen theme preference.
- Improved user experience by creating custom loading animations that display while data is being fetched.

EXPERIENCE

Pacha Soap Co.

Hastings, NE

Soap Production Team Lead

September 2019 – January 2021

- Responsible for a team of 6 where we produced ~70,000 bars soap by hand per week.
- Reduced product loss by over 50% compared to the year prior by authoring standard operating procedures.
- Aided in the implementation of kanban at a production level.

Soap Production

September 2016 – September 2019

- Designed and engineered a manufacturing process that increased throughput by 300%
- Aided with testing and developing new products and ingredients

EDUCATION

App Academy

Online

Fullstack Software Engineering | Web Development

September 2021 – March 2021

- Immersive 1500+ hour software development course with <3% acceptance rate
- Topics include: TDD, OOP, coding style, REST, security, single page apps

University of Nebraska at Omaha

2013-2014

Coursework towards degree in Bioinformatics

VOLUNTEER WORK

Sierra Leone, Africa

October 2019

- Planned and executed the establishment of a soap production facility and trained team to independently analyze expenses, marketing, and ingredient sourcing.
- Designed and Engineered a creative production process that fit the needs of the team, all of whom had been physically disabled by Poliovirus.