

Laura Zailac

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Skills Python, React, JavaScript, AWS, Terraform, PostgreSQL, Git, HTML5, CSS3, SAP, Docker, RESTful APIs

Projects

Open/ /Cycle/ /Project (Python, Flask, SQL, JavaScript, React, Redux, HTML, CSS)

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

A dashboard which encourages companies to share their carbon footprints and consumers to consume consciously.

- Configured a robust PostgreSQL database which leveraged many-to-many relationships and reduced data redundancies by configuring foreign key constraints.
- Implemented two sets of user authentication; ensuring each request was protected from CSRF attacks and utilizing Flask-Login for session management
- Defined modular React components which accessed a well-defined Redux store in order to minimize unnecessary database queries
- Designed and executed a clean, initiative UI using CSS3, and Illustrator which encouraged interaction yet retained profundity

TradeMarian (Python, SQLAlchemy, Flask, PostgreSQL, React, Redux, HTML5, and CSS3)

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

A fullstack Robinhood clone where users can buy, sell and keep track of their financial portfolios via custom watchlists.

- Designed custom algorithms in Python in order to aggregate and send api data to my redux thunk
- Incorporated the Recharts library to conditionally render a user's portfolio graph in the correct color and time frame
- Implemented the watchlist feature by leveraging the power of React-Redux and allowing users to create, delete and add companies to personalized lists.
- Balanced a comprehensive, yet light-weight database with a robust stock api allowed the site to feel snappy yet information rich.

Cellar Co-op (Javascript, HTML, CSS, Python, Express.js, SQL, Sequelize, and AWS)

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

A fullstack e-commerce app where consumers can buy, sell or rent their clothing items while participating in the circular economy.

- Employed React component architecture to separate concerns and to create a maintainable, scalable frontend
- Implemented AJAX techniques when querying my PostgreSQL database to allow my pages to continue to display uninterrupted.
- Utilized AWS to maximize user experience while minimizing database size

Experience

Vault Health, Associate Software Engineer

Sept 2021 – Sept 2022

- Eliminated manual engineering toil: Built a reusable Retool module which allowed for the uploading of large .csv files by any internal team.
- Ensured visibility into application health and improved mean time to recovery:
 - Created a dashboard in NewRelic which tracked error rates and calls to external services.
 - Used Terraform to create an AWS sns topic which alerted in Slack if an ECS task was killed due to lack of memory.
- Reduced application error rate and signal noise: Monitored the presence of built-in errors, tracked down the source of the error and triaged appropriately, either reclassing the error if expected or addressing the application bug.
- Handled escalations, created and documented processes: As point-person during on-call weeks I triaged and handled any application issues and documented the steps to resolution in public runbooks.
- Designed features to add value to company software portfolio: Created a scheduling and mapping interface from back to front using postgres, react/rtkquery, tailored Material-UI and including custom data-munging algorithms.
- Contributed to a compliant and auditable codebase: All written code was accompanied by the appropriating testing; Testrail, Jest, Pytest

App Academy, Software Engineering Full Stack Immersive

Jan 2021-June 2021

- Designed and launched full-stack web applications using: Javascript, Python, HTML/CSS, Node.js, React and Redux
- Completed several group projects by using problem-solving, team-building and creative thinking skills while fostering a growth mindset
- Honed my knowledge of relational database schema design and architecture while working with PostgreSQL, Sequelize and SQLAlchemy + Alembic.
- Leveraged Docker containers to deploy and continuously integrated via Github actions.
- Perfected time-management and prioritization skills utilizing workflow solutions and Github's version control system

World Packaging Corp, Consulting Development & Sourcing Director

Dec 2019-Jan 2021

- Leveraged factory relationships to obtain and analyze bids for each project, negotiated terms with finalists
- Coordinated component and packaging logistics
- Developed and implemented a unified project tracking system
- Partnered with outside distributors to design assortments that worked for their clients' needs
- Handled email marketing development

Thursday Boot Company, Director of Project Management New York, NY

April 2019-Dec 2019

- Lead the Women's Boot and Men's Jacket teams from concept through production and beyond
- Coordinated company effort to fully integrate all data management systems including PLM, ERP and Shopify
- Initiated product integrity and improvement processes and iterated products based on user feedback increasing customer satisfaction by 15% over just 3 months
- Negotiated terms of payment, set retail pricing and allocated purchase quantities

The Camuto Group, *Managing Linebuilder* Greenwich, CT

Nov 2013- April 2019

- Facilitated and executed design of the first in-house men's and boy's lines
- Created a process and interface for managing and tracking samples through each phase of development thus reducing sampling and costs by 25% per quarter.
- Initialized and maintained all linesheet and specification data in our proprietary PLM
- Acted as liaison between all stakeholders: production, sales, marketing, IT and overseas partners

The Jones Group, *Product Development* New York, NY

Sept 2011- Nov 2013

- Collaborated to customize and roll-out SAP PLM system to manage company-wide data
- Corresponded with factories and suppliers overseas to schedule orders and troubleshoot delays
- Ran business reports in SAP and compiled data to present to sales, finance, customer service and design

Education

App Academy

Jan 2021 - June 2021

- Software Engineering Immersive

Syracuse University

May 2009

- BFA Design / Marketing, Magna Cum Laude