

KRISTA STRUCKE

Software Engineer

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

React, Redux, Javascript, Node.js, Python, HTML, CSS, SQL, SQLAlchemy, Flask, VSCode, Docker, Express.js, Git, AWS

PROJECTS

Note Pile (Built with ReactJS, Redux, Python, Flask, SQLAlchemy, Alembic, CSS3, Heroku)

[live](#) | [github](#)

A note-taking app where users can save and organize all kinds of text data, built with React, Node, JSX, Python & Flask.

- Designed and built the entire database schema, all RESTful API routes, frontend routes, and functionality from scratch
- Utilized state management of Redux to directly manage data for long notes and submissions for the user
- Wielded React's local state methods to dynamically render different pages of notebooks for quick load speed

WeCORD (Built with ReactJS, Redux, Python, Flask, SQLAlchemy, Alembic, CSS3, SocketIO, Heroku)

[live](#) | [github](#)

A chat app that utilizes web sockets to communicate instantly with your friends, built using React, Node, Python & Flask.

- Fostered real-time conversations between users with SocketIO's low latency bi-directional communication
- Managed the SCRUM kanban for our group and worked with my teammates to build this app in 7 days
- Optimized the implemented features by discovering a more efficient way to handle conversations and user chat data by changing the structure of our database schema

Nerdbrite (Built with ReactJS, Redux, Nodejs, Expressjs, Sequelize, PostgreSQL, CSS3, Heroku, AWS)

[live](#) | [github](#)

An event site where users can create, view, and manage different fun nerdy events, built using React, Node, & Express.

- Employed Express on the backend for extensive custom error validations and timezone patches for Heroku deployment
- Produced efficient and well-rounded shared user experience by implementing CRUD best practices with events & tickets
- Implemented Google Maps API and address autocomplete to improve user experience with Google Cloud Console

EXPERIENCE

Full Stack Developer (Contract)

Fifth Tribe

November 2022 - Present

- Increased team's productivity by reducing project build time in GitLab CI from 45 minutes to 7 minutes via parallelization
- Kept code up to date by updating deprecated code in their NPM dependencies and .yaml files
- Am currently automating more of the build process to occur in the cloud rather than on team members' local machines

Convention Booth Manager

Songbird Ocarinas

July 2017 - March 2022

- Traveled the country to different anime/gaming conventions, set up the sales booths, liaised with convention staff to try to get the best locations for setup, scouted volunteers, sold the products, and performed for customers
- Worked in a hands-on, high-pressure environment which involved multiple deadlines to meet for convention logistics and sales goals

EDUCATION

Web Development - App Academy | March - September 2022

iOS App Development - General Assembly | Summer 2015

Japanese Language & Culture - International Christian University, Tokyo, Japan | 2011 - 2012

B.A. East Asian Studies - Rutgers University, New Brunswick, NJ | 2009 - 2013