

# KRISTA STRUCKE

## Software Engineer

[developerkrista@gmail.com](mailto:developerkrista@gmail.com)

[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 - December 2022

- 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
- Worked on automating the versioning process to update and patch the application in continuous integration

### 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

**Redhat Linux Course** - Udemy | November 2022

**Web Development** - App Academy | March - September 2022

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

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