

# 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, Docker, Express.js, Git, AWS, Tailwind

### 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 text data, built with React, Node, JSX, Python & Flask.*

- Spearheaded the end-to-end development of a robust note-taking application, including designing and implementing the database schema, building all RESTful API routes, and creating frontend routes and functionality from scratch.
- Implemented Redux state management to efficiently handle data for long notes and submissions, resulting in improved app performance and user experience.
- Employed React's local state methods to dynamically render different pages of notebooks, optimizing the app's load speed and enhancing overall usability.

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

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

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

- Developed the backend using Express to enhance custom error validations and to apply timezone patches for smooth Heroku deployment, resulting in reduced error rates and improved performance.
- Created a robust and streamlined user experience by following best practices for CRUD operations and integrating events and tickets functionality, resulting in increased user engagement and satisfaction.
- Optimized the user experience by implementing the Google Maps API and address autocomplete feature, leveraging Google Cloud Console to make location input more intuitive and efficient, resulting in a more seamless user experience.

### EXPERIENCE

#### Full Stack Developer (Volunteer)

*Hack for LA*

February 2023 - Present

- Actively participate in the open-source community by contributing to the Hack for LA website repository through issue resolution, code review, and pull requests.
- Collaborate remotely with cross-functional teams to design and develop full-stack web applications using Agile methodology, Kanban boards, and CI/CD pipelines.
- Create comprehensive and user-friendly documentation to support the development of web applications and facilitate knowledge sharing among team members.

#### Full Stack Developer (Contract)

*Fifth Tribe*

November 2022 - December 2022

- Achieved 85% reduction in project build time by implementing parallelization in GitLab CI, resulting in an increase in team productivity.
- Updated NPM dependencies and .yaml files to keep code up to date and prevent potential security vulnerabilities.
- Spearheaded automating the versioning process, resulting in seamless updates and patching of the application during continuous integration.

### EDUCATION

Redhat Linux Course - Udemy | November 2022

Web Development 6-Month Immersive - 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