

Kenny Hsieh /shāy/

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projects and portfolio at:

<https://kennyhsieh.me>

PROJECTS

Capstone Chat — Full Stack Final Project

- This app is built using **React** frontend, **Django** as the server, **SQLite** database, and also uses **Redis** storage with **Docker**.
- Utilizes the upgraded HTTP protocol, **WebSockets**, allowing the server pushes updates to the client for real-time communication
- Modeled after Slack's chat functionality
- Submitted as my final project for Harvard's CS50w course

Golden Lotus — Full Stack e-Commerce Page

- MERN (**MongoDB**, **Express**, **React** + **Redux**, and **NodeJS**) stack e-commerce app was built as an online web course project.
- Integrated authentication and **authorization** feature allowed for users to securely add items to the cart, checkout, and administers to edit products, process orders, and manage customers.
- Payments accepted using **PayPal API**
- Project currently deployed on **Heroku**.

BrandNewAdventure — Landing Page

- Commissioned project to design, develop, and deploy a responsive landing page for my client's destination wedding/RSVP page.
- Semi-Agile development principles applied via weekly zoom meetings were held to update clients and to gather feedback.
- Site constructed using **HTML**, **CSS**, **Javascript**, **Bootstrap**, and other open-source libraries. The site was deployed on **Github Pages** with a custom domain in June 2021.

Pomodoro Gamified — Functional Frontend

- Simple gamified study timer app to allow users to maintain focus during studies to maximize retention.
- Built using **React**'s framework, **Bootstrap** for styling, and deployed on **Github Pages**
- Incorporates a reward system that encourages users to collect 'stars' upon frequent use without requiring users to log in by saving information to the client's local storage.

EDUCATION

Web Programming w/Python and Javascript, Harvard CS50w — Certificate 2021

We learned how to write and use **APIs**, create interactive UIs, leverage cloud services like **GitHub** and **Heroku**. We also dove into designing and implementation of web apps with **Python**, **JavaScript**, and **SQL** using frameworks like **Django**, **React**, and **Bootstrap**.

Web Developer Track, Bloc.io (Thinkful) — Coding Bootcamp 2018

This course served as a base knowledge of web development learning **HTML**, **CSS**, **Bootstrap**, **JavaScript**, **React**, **CLI**, **NodeJS**, **Express**, and building **RESTful APIs**.

Mechanical Engineering, California Polytechnic University, Pomona — Candidate

2004 - 2009

WORK EXPERIENCE

1NS, Remote — Frontend Engineer Intern

2021 - Present

- Write dynamic **HTML** using **Thymeleaf**, a server-side Java template engine.
- Restructured non-responsive design by implementing **Bootstrap** worldwide.
- Ensure efficient web development by supporting designers and app developers while resolving front-end performance issues.
- Used **Trello** as a project management tool and submitted daily pull requests via **Git**.

Web Developer, Remote — Contracted

2020 - Present

- **BrandNewAdventure** - Worked closely with the client to design, develop, and deploy the landing page for an upcoming wedding.
- **Renew Church OC** - Assuming the role of project manager for the church's website redesign. Collaborating with a UX/UI designer for wireframes, constructing a project timeline, and developing the project. Estimated site launch Q4 2021.

LANGUAGE & SKILLS

JavaScript (*fluent*) • Python (*proficient*) • HTML5 • CSS3 • SQL • RESTful API • CLI

FRAMEWORKS & TOOLS

React • Redux • Django • NodeJS • Express JS • MongoDB • Heroku • Git • GitHub • Docker • ThymeLeaf • WebSocket • Font Awesome • Bootstrap • GitHub Pages • Django Channels • Trello • SquareSpace • JSON Web Token • MS Office