

Kenny Hsieh /shāy/

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PROJECTS

Capstone Chat — Full Stack Final Project

Modeled after Slack's chat functionality, this app is built using **React** frontend and **Django**, **SQL**, and **Redis** as server and database. This app utilizes upgraded HTTP protocol, **WebSockets**, for real-time communication was my final project for Harvard's CS50w course.

Golden Lotus — Full Stack e-Commerce

This MERN (**MongoDB**, **Express**, **React**, and **NodeJS**) stack e-commerce app was built as a project for an online web course. User authentication and authorization allow for users to securely add items to the cart, checkout, and pay for products using **PayPal API** and administrators to edit products, process orders, and manage users. This site uses **Redux** for state management and is deployed on **Heroku**.

BrandNewAdventure — Frontend Landing Page

This commissioned project was to design, develop, and deploy a responsive landing page for my client's destination wedding that allowed attendees to RSVP. Weekly zoom meetings were held to update clients and to gather feedback. This real-world project was 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

A simple gamified study timer app I developed to keep me focused during my studies to become a software engineer. Pomodoro Simplified was built using **React's** framework, **Bootstrap** for styling, and deployed on **GitHub Pages** and it 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

projects and portfolio at:

<https://kennyhsieh.me>

LANGUAGE & SKILLS

JavaScript, Python, HTML5, CSS3, SQL, RESTful API, Powershell, Git Bash, CLI

FRAMEWORKS & TOOLS

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

PRIOR WORK EXPERIENCE

Kairos Solar, Providence RI — Owner

2018 - 2020

Kairos Solar is a solar installation company that achieved **\$1M+** revenue and installed over **350kW** by the second year in business. I established close relationships with electricians, local building officials, RI's Department of Energy Resource, and suppliers. I worked with the sales manager to drive sales and collaborated with project managers to optimize workflow for managing complex solar projects.

SolarCity (Tesla), Las Vegas NV — Regional Manager

2015 - 2018

I was responsible for the region's solar project throughput. My scope included hiring, training, and managing a 15-person sales team who I taught the team to prospect, convert and manage their customer pipeline from sale to installation using a CRM and reported KPI to my Director.