Christian Ludwell

SOFTWARE ENGINEER

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TECHNICAL SKILLS

CSS, Daisy UI, Express.js, Flask, HTML, JavaScript, Next.js, Node.js, SQL, PostgreSQL, Prisma, Python, React.js, Redux.js & Redux Toolkit, SQLAlchemy, Sequelize, Tailwind CSS, TypeScript

PROJECTS

SideQuest *(Redux Toolkit, TypeScript, Prisma, Next.js, Tailwind CSS, Daisy UI, ChatGPT API)* **Live** | **GitHub Repo**

A full-stack DndBeyond clone integrating the ChatGPT API for interactive "tabletop" roleplaying.

- Deployed a suite of new technologies as a full integrated tech stack.
- Leveraged frontend frameworks such as Tailwind CSS and Daisy UI for polished user experience.
- Utilized Prisma, an Object Relational Mapper (ORM), to interact with the SQL database efficiently and prevent SQL Injection attacks.

Spacey *(React/Redux, JavaScript, Flask, Python, SQLAlchemy, Tailwind CSS, AWS S3)* **Live** | **GitHub Repo**

Collaboratively developed space and science fiction themed Etsy clone using the SCRUM and agile project management framework.

- Assumed responsibility for responsive design for different media queries, ensuring a seamless user experience across devices.
- Deployed an image carousel using React.js useState and component props, enhancing visual appeal.
- Demonstrated effective collaboration through efficient Git workflow and pair programming techniques.

Fancamp *(React/Redux, Tailwind CSS, JavaScript, Flask, Python, SQLAlchemy, AWS S3)* **Live** | **GitHub Repo**

A self-directed App Academy capstone project based on custom wireframes. A Bandcamp clone full-stack application with a metal focus.

- Successfully integrated AWS S3 to enable seamless uploads of images and audio files, improving the app's performance and scalability by offloading media storage and delivery to a reliable and efficient cloud service.
- Programmed user customizable styling for band pages allowing bands to showcase their unique branding.
- Implemented custom audio player to replicate Bandcamp functionality and react-player for multimedia.

EDUCATION

App Academy | Full Stack Software Engineering   Remote – 2023

Bachelor of Arts | Geography, International Development & Social Change   Clark University – 2010

WORK EXPERIENCE

LEAD INSTALLER   Oct 2019 – Oct 2022

Sunpower, Berkeley CA

Sunpower is a leading producer of solar panels that also installs their own products. During my time with Sunpower I was a project manager that led all aspects of installations above grade.

- Trained all new hires in electrical and roof work ensuring company and OSHA safety regulations were followed.
- Delivered approximately 2.3 megawatts of safe and quality solar installations compliant with the National Electric Code (NEC) and local requirements, from start to finish.