

# SUWANSHREE ACHARYA

## Full Stack Software Engineer

(510) 974-6285

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

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

### SKILLS

Javascript | Python | React | Redux | Flask | Express | HTML5 | CSS3 | SQL | PostgreSQL | SQLAlchemy | MongoDB | Node.js | AWS | Zustand | Docker | Sanity.io | Payload | Chakra UI | Vite

### EXPERIENCE

#### Full-Stack Software Developer - [Idoona](#)

Oct 2022 - Present

- Planned the initial stages of the software development lifecycle with the founding team including **MVP** and technology stack selection to establish solid team and organizational foundations.
- Integrated **Payload** content management system in the **MongoDB** back end for structured data management, and ensured optimal data flow between services for future scalability.
- Utilized styles and components from **Chakra UI** to create a responsive user interface with multiple color themes.
- Added **Zustand** as a store in the front end **React** application for a simple and un-opinionated app data flow solution.

#### Freelance Website Designer - [SiteBanau](#)

June 2022 - Present

- Built modern websites for clients by communicating effectively, analyzing their needs and suggesting suitable platforms.
- Applied methods for best business practices including security, policy documents, SEO optimization, and customer relations.
- Working Women Journalist:** Static Google Sites website with Google Maps, docs, and forms integration. [live](#)
- Land of Buddha Wellness:** Dynamic Wix website with user login, membership, bookings, ticketing and payments. [live](#)

#### Crew Chief - *iHop*

Aug 2009 - Sep 2011

- Optimized the formulation of weekly sales projections using data from previous years by engineering a **C++ application**. Automated the process of manual calculation by formulating an algorithm and making a terminal based app.
- Supervised front-of-house / back-of-house operations by assigning staff to efficient duties to best utilize labor costs.

### PROJECTS

#### STAR YELP (JavaScript, React, Redux, HTML, CSS, Python, PostgreSQL, Flask, SQLAlchemy, Docker, Heroku, Render)

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

*A Yelp clone for gamers to explore Star Citizen locations that uses a Python / Flask backend and JavaScript / React front end.*

- Utilized **AWS S3** buckets for cloud image storage, and an external **NPM API** package to display desired rating in Stars for enhanced accessibility and readability for the user.
- Devised an accessible ratings calculator in the **Python** backend for an accurate and responsive ratings display, migrating intricate calculation work from the front end speeding it up by 50%.
- Designed a clean, reactive and intuitive interface with **modals**, asynchronous code with **React / Redux** that uses modern icons / buttons with custom styled **CSS**.

#### TRAVEL BUCKET (JavaScript, React, Redux, HTML, CSS, Python, PostgreSQL, Flask, SQLAlchemy, Docker, Heroku, Render)

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

*A Wanderlog clone which is a trip and event planning site that uses a Python / Flask backend and JavaScript / React front end.*

- Collaborated with four team members to construct a four **CRUD** featured website within a week's time frame and made the best use of **Git** and **Scrum** methodologies for increased team cohesion.
- Programmed a reliable **JavaScript** Date object comparer and scheduler for seamless and natural user interaction while also managing an optimum data flow within **React** components.
- Implemented **Google Maps API** for displaying trip and event locations and a many-to-many relationships table in the **PostgreSQL** database for instant trip sharing between users.

#### COSMIC HUNT (JavaScript, React, Redux, HTML, CSS, Express, PostgreSQL, Sequelize, Heroku, Render)

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

*A Product Hunt clone for all fictional spacefaring tech that uses a JavaScript / Sequelize backend and JavaScript / React frontend.*

- Engineered a clean and user-friendly front end using the **React** library to asynchronously handle all **CRUD** operations.
- Employed proper user authorization and security measures using **Bcrypt**, **cors**, and **csrf NPM** libraries.
- Migrated from **Heroku** to **Render** by changing all project backends to have one **database** by adding **schemas** in production.

#### SCRIPTAI (JavaScript, HTML5, CSS3, Vite, OpenAI, Vercel, Render)

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

*A quick access AI chat app that uses the latest natural language processing model from Open AI to formulate responses for queries.*

- Setup a quick development environment using **Vite** for a responsive front end **JavaScript** application.
- Added a **NodeJS** backend for communication with **OpenAI** to use responses from the **text-davinci-003** GPT-3 model.
- Hosted front end application on **Vercel** for near instant site load time untying it from backend spin up on **Render**.

### EDUCATION

#### Full Stack Software Engineering - App Academy

Nov 2021 - June 2022

#### Coursework in BS Graphics Information Technology UI / UX - Arizona State University

Aug 2019 - May 2020

#### Coursework in BS Computer Science - Mountain State University

Aug 2008 - May 2011