David Mejia

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SKILLS   React, Redux, Python, JavaScript, HTML, CSS, SQL, Flask, Docker, Git, NodeJs, Sequelize, Alembic

PROJECTS

Nomadika   (Flask, Python, React, JavaScript, RESTful API's, Docker)   live | github

A travel companion app with a rich visual UI that provides venue information of any city and interaction with other users

- Implemented Foursquare's **Places API** using **node-fetch** to accurately receive data from a venue in any city.
- Administered **RESTful API**'s leveraging JavaScripts async nature using **React** and **Redux** store and state to accomplish multiple calls on a single page, so users can have **CRUD** functionality on posts, comments, and bucket list destinations.
- Incorporated **Python** and the **Flask** backend framework to manage calls using **SQLAlchemy** ORM to manipulate database data precisely.
- Adopted the use of **Docker** containers by using Dockerfiles and images to facilitate the use of the web app in virtual environments and easy deployment to **Heroku** with **GitHub Actions**.

Travlr   (React, Redux, JavaScript, Express)   live | github

React/Redux and Express flickr based app that allow users full CRUD on photos and comments.

- Ensured the privacy of users by implementing **BCrypt Hashing** function in the backend and auth routes in the frontend, thus preventing storage of plain text based passwords and restricting access to specific content/functionality.
- Properly managed **React** and **Redux** store by dispatching thunks and **API** calls to ensure seamless data rendering in the front end for full **CRUD** functionality..
- Instituted the use of **Express.js** and **Node.js** to accurately handle **API** calls and manage the manipulation of data in a **PostgreSQL** database with the **Sequelize** ORM .

GrammyGram   (Flask, Python, React, JavaScript, RESTful API's, Docker)   live | github

A spinoff clone of the instagram web app, allows a user to interact with and explore posts.

- Directed a team of 4 engineers allowing proper time management, workload division and delegation, and provided feedback on functionality using **Agile Software Development**.
- Crafted and refined the use of **API** calls from **React** and **Redux** frontend to the **Flask** backend achieving accurate data manipulation and **CRUDs** for images and comments.
- Designed and curated the use of colors, images, fonts and **CSS** to ensure a fluid UX/UI design across the platform.
- Constructed backend routes in **Python** to communicate seamlessly with **React** and **Redux** frontend as well as communication between backend and **PostgreSQL** database using **Alembic** and **SQLAlchemy**.

EXPERIENCE

ESL Teacher / tutor

Open English   Sep 2019 - Feb 2021

- Taught over 1000 students, ranging from professionals, university students, retirees, etc.
- Documented their progression of their English language skills, provided constructive feedback and assessed their current English proficiency to better prepare them for real life interactions and help advance their knowledge.

Personal Trainer

Boston Sports Club/ Independent   Oct 2017 - Dec 2019

- Worked with gyms in and around the Boston area, bringing clients consistent results for their health, lifestyle and fitness needs.
- Marketed my skills and knowledge of health and fitness to leverage higher membership results. Used various methods such as cold calling, social media, and strong communication skills to generate new business prospects.

EDUCATION

Web Development - ***App Academy*** | Feb 2021 - Aug 2021

- Rigorous 1000-hour software development course with <3% acceptance rate
- Topics include: TDD, scalability, algorithms, OOP, Back End, Front End, Full Stack, coding style, REST, security, single-page apps, pair programming, and web development best practices.

BS Biology Pre-Med uncompleted - ***University of Massachusetts Boston*** | *2013 - 2018*