Melinda Cortez

Software Engineer

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SUMMARY

Full Stack Software Engineer skilled in crafting robust web applications and fostering a passion for technology in upcoming generations. Proficient in a range of technologies including React, Redux, JavaScript, Python, and TypeScript with a commitment to continuous learning and innovation.

TECHNICAL SKILLS

React, Redux, JavaScript, Typescript, HTML, CSS, Python, Flask, SQL, SQLAlchemy, REST APIs, Redux Toolkit

WORK EXPERIENCE

Technical Instructor   **2023**

Frost STEAM Labs | Los Angeles, CA

- Directed young learners in the application of Scratch software to create interactive games, fostering creativity and problem-solving skills.
- Encouraged the growth of computer programming competencies among students, preparing them for future technological challenges.

PROJECTS

DevPair   [Live](#) | [GitHub Repo](#)

Continuously collaborating with a team to develop a web application for random paired data structures & algorithms problem-solving sessions. The first iteration led to a first place victory in an App Academy hackathon.

- Integrated Gemini Pro AI to create custom Data Structures & Algorithms problems within the IDE, enabling users to collaborate on pair programming sessions and submit their solutions for testing through the Judge0 API.
- Implemented Agora WebRTC functionality to facilitate real-time video calls and screen sharing for collaborative pair-programming sessions on a data structure and algorithm platform.
- Utilized SocketIO and Flask-SocketIO were used for real-time text-based chat, allowing users who might struggle to speak or prefer not to speak to still actively participate.

Bellana   [Live](#) | [GitHub Repo](#)

Independently conceptualized, designed, and developed a project management application inspired by Asana, utilizing React, Redux, Flask, and React Beautiful Drag and Drop.

- Utilized an Agile methodology, breaking the project into manageable tasks and iterations, and regularly evaluating progress to ensure timely completion.
- Integrated React Beautiful Drag and Drop library to enable intuitive task and project management, allowing users to easily rearrange and prioritize their tasks
- Developed a RESTful API using Flask, enabling seamless communication between the frontend and backend, and handling database interactions and server-side functionalities

EDUCATION

Full-stack Web Development	App Academy ~ January 2023 - July 2023
Associates	Psychology	Chaffey Community College ~ 2019