Bao Zhang
Software Developer

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SKILLS

Languages: Javascript, Python, SQL, HTML, CSS
Frameworks/Tools: React, Redux, Express, Flask, Sequelize, SQLAlchemy, PostgresQL, AWS, Docker, Amazon AWS, WebSockets
Key Skills: Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Scrum Methodologies

PROJECTS

Mangterest   (React / Redux / Flask / SQLAlchemy / Postgres)   live | github
Mangterest is a full-stack web application that is a clone/copy of (pinterest)
- Ensured a seamless user experience with the tables by implementing intuitive interactions. Users can easily navigate through table pages, resize columns, and interact with table headers or row elements for sorting and filtering purposes.
- Learning to integrate packages such as carousel and masonry to make the website visually appealing and improve user interface to enhance and user experience.
- Added WebSocket.io to my website for real-time communication between server and client. This improved user engagement and responsiveness with instant updates, live notifications, and interactive features.

AirBnb   (Express / Redux / Flask / SQLAlchemy / Postgres)   live | github
This is another application that is a clone/copy of airbnb
- I developed two full CRUD applications for my coursework, showcasing my ability to create robust and interactive software solutions.
- Created a website using JavaScript as the primary programming language. By leveraging JavaScript's capabilities, I developed a dynamic and interactive user interface that delivers a seamless and engaging experience for visitors.

AudioDome   (React / Redux / Flask / SQLAlchemy / Postgres)   live | github
AudioDome is another full-stack application that is created to listen to music
- Played a pivotal role as a key contributor within high-performing teams, consistently delivering outstanding results through impeccable coordination and effective communication.
- By utilizing Amazon S3 for storing static website assets, such as images and songs, I ensured reliable and scalable storage for my website.
- Added functionality to fetch selected audio files dynamically from Amazon S3 when the play button is clicked. This on-demand retrieval optimizes resource usage, reduces loading times, and improves user experience by enabling instant playback.

EXPERIENCE

Hi-Tech   2014 - 2022
- Performed comprehensive inspections of residential properties, meticulously assessing every aspect to provide detailed and accurate evaluations of the house's condition and potential issues.
- Demonstrating a consistent track record of reliability and exemplary performance, i was entrusted with a leadership role that involved overseeing and guiding a team, driving successful outcomes and fostering a culture of excellence.

Pivotal   2013 - 2014
- Demonstrated exceptional precision and attention to detail while working in a controlled clean room environment, manufacturing cutting-edge components for refrigerators with advanced oxygen level monitoring systems.
- Effectively collaborated with cross-functional teams, including engineers and quality control specialists, to ensure seamless integration of 02 monitoring components into the overall refrigerator design, resulting in enhanced functionality and user experience.

EDUCATION

App Academy   Winter 2022
- Full-stack web development bootcamp prioritizing software engineering best practices
- Covered topics such as data structures and algorithms, object-oriented programming (OOP), test-driven development (TDD), etc

San Jose State University   2011 - 2013
- Enrolled in computer science classes at the university, I gained a comprehensive understanding of fundamental computer science concepts and theories. Courses such as algorithms, data structures, computer architecture and C++