Penelope Yang

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Software Engineer

A versatile software engineer with a background in management. I thrive in any industry I dive into, adapting quickly to new environments. Known for my detail-oriented work and creative problem-solving, I bring fresh solutions to the table. With a bubbly personality and strong leadership skills, I'm easy to work with and enjoy fostering collaboration in every project.

Primary skills include:

LANGUAGES: JavaScript, Ruby, SQL, Python, HTML5, CSS3   **FRAMEWORKS:** React.js, Redux, Flask

TOOLS: PostgreSQL, AWS, Sequelize, Git, Node.js, Express   **OTHER:** RESTful APIs, SQLAlchemy, Cloud Storage, Render

Project Experience

Critterbnb • *JavaScript• HTML5 • CSS3• Sequelize • React.js • Redux • Node.js • Express*   **Live** • **Github**

A playful and user-friendly Animal Crossing-themed Airbnb clone, built as a full-stack application featuring core functionalities such as spot creation, booking management, and review systems, allowing users to create and book accommodations seamlessly.

- Constructed a robust backend using Node.js, Express, and Sequelize for efficient database queries and relational data management.
- Designed and optimized database schemas and RESTful APIs to ensure efficient data handling and seamless interaction between the frontend and backend.
- Utilized JavaScript, HTML5, and CSS3 to implement responsive and fun design, providing users with a consistent and enjoyable experience.

Pinspire • *Python • Flask • React.js • Redux • SQLAlchemy • CSS3 • AWS • PEXELS API*   **Live** • **Github**

A collaborative full-stack clone of Pinterest with its own unique elements, emphasizing an appealing and highly intuitive user experience. Pinspire captures Pinterest's clean design while showcasing features like saving pins, board/favorites organization, and comments with inline editing.

- Leveraged Python and Flask to build an efficient backend with a RESTful API, handling complex user interactions.
- Integrated React.js and Redux to create a dynamic and responsive frontend, ensuring seamless state management across components.
- Utilized SQLAlchemy and AWS for robust data management and cloud storage solutions, ensuring scalability and reliability.
- Demonstrated strong leadership skills by delegating tasks and facilitating clear communication among team members, ensuring smooth collaboration and project success.

Playdate • *Python • Flask • React.js • Redux • SQLAlchemy • CSS3 • AWS • Socket.IO*   **Live** • **Github**

An original full-stack concept focused on creating deep one-on-one connections between gamers. Featuring a fluid and visually stunning interface, it offers a seamless experience through innovative features like filtered user matching, real-time messaging with web sockets, and cloud storage for photos, games, and clips. Playdate is designed to help users find their perfect gaming duo with ease and efficiency.

- Developed a scalable backend using Python and Flask, which efficiently manages user data and application logic while providing a robust RESTful API for seamless communication with the frontend.
- Created a responsive and engaging frontend with React.js and CSS3, delivering a dynamic user experience that adapts smoothly across various devices and screen sizes.
- Used Socket.IO for real-time messaging capabilities, allowing users to communicate instantly and interactively, thereby enriching the social aspect of the platform.
- Integrated AWS for secure and scalable cloud storage solutions, effectively managing user-uploaded content such as photos, games, and clips, and ensuring reliable access and performance.

Work Experience

Best Taste of Pho Saigon • *Manager* • Minneapolis, MN   **Jan 2021 – Jan 2023**

- Spearheaded both front-of-house and back-of-house operations, improving customer satisfaction through efficient conflict resolution and attentive service.
- Enhanced team performance by training and mentoring 10+ employees, fostering a collaborative and customer-focused work environment.
- Optimized menu design and pricing strategies, driving a 20% increase in revenue by appealing to customer preferences.
- Streamlined operations by managing inventory, scheduling staff, and overseeing quality control, contributing to a 15% improvement in operational efficiency.

Education

APP ACADEMY • Full Stack Web Development   **Completed September 2024**

- Completed a rigorous software development bootcamp with a focus on full-stack web development.

HAMLINE UNIVERSITY • Computer Science   **2020-**

- Bachelor's Degree