Jack Zhang

Full-Stack Developer | Software Engineer

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SUMMARY

Highly driven Full Stack Developer proficient in React, Node.js, and Python, adept at crafting user-centric web applications. Proven track record in project management, fostering team collaboration, and implementing agile methodologies. I am experienced in delivering innovative solutions that drive business outcomes.

TECHNICAL SKILLS

Frontend: React.js, Redux, JavaScript, HTML, CSS, Tailwindcss
Backend: Node.js, Express, Python, Flask, SQL, PostgreSQL, SQL-Alchemy, Bcrypt, MySQL
Technical Expertise: Data Structures and Algorithms, Architecture, Debugging, Deployment, Socket.IO

EXPERIENCE

Full-Stack Software Engineer | Coursect Inc. (Start-Up) | 12/23 - Present
- Successfully addressed a critical user sign-up issue, ensuring seamless registration and database integration, enhancing user experience
- Implemented Google Cloud Storage for scalable and dependable data storage solutions, improving system reliability and performance
- Developed and integrated an image chat feature using Google Gemini Pro Vision API, enabling the app to answer user questions with uploaded images, enhancing user engagement.
- Introduced speech-to-text and text-to-speech functionalities to the application interface, enhancing accessibility and user engagement

Administrative Director | *B&B Child Care Services LLC.* | 09/00 - 07/23
- Directed and managed a program, overseeing 50 students, and provided leadership for 60 teachers and assistants
- Implemented strategic resource optimizations and reduced annual expenses by 40%

PROJECTS

Pixelgram, *Full Stack Developer* - React | Python   [Live](#) | [GitHub Repo](#)
A web application inspired by Instagram allows users to post photos and leave comments and an integrated chat feature.
- Optimized server performance by crafting custom SQL queries and leveraging Flask models and associations to extract data efficiently from multiple tables
- Implemented robust user authentication measures on both the frontend and backend, utilizing React Router to ensure privacy and autonomy for users
- Designed and implemented a user-friendly interface, including wireframes for followers and followings, page layouts, and posting and commenting features.Implemented real-time chat using Socket.IO to enhance user engagement and interactivity

Question Overflow, *Full Stack Developer* - React | Python   [Live](#) | [GitHub Repo](#)
A web application inspired by Stack Overflow (asking and answering questions)
- Engineered a dynamic reactions system in Python, allowing users to seamlessly switch between likes and dislikes, with changes reflected in the database
- Implemented a feature gate to restrict platform interaction for unregistered users, enhancing security and user experience
- Collaborated with a team of four engineers on a shared codebase, utilizing SCRUM methodology ensuring consistent and efficient development processes

EDUCATION

App Academy, *Full Stack Development*   2022 - 2023
- *1000-hour immersive full-stack web development intensive with < 3% acceptance rate*

Long Island University, *Bachelor in Business Management / Finance*   2000 - 2008