

# 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. Experienced in delivering innovative solutions that drive business outcomes. Eager to leverage technical expertise to excel in dynamic software engineering environments.

### TECHNICAL SKILLS

**Frontend:** React.js, Redux, JavaScript, HTML, CSS

**Backend:** Node.js, Express, Flask, SQL, PostgreSQL, SQL-Alchemy, Python, 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 and retention
- Implemented Google Cloud Storage for scalable and dependable data storage solutions, improving system reliability and performance.
- Developed and integrated a novel image chat feature using Google Gemini Pro Vision API, enriching communication capabilities in the app
- 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
- Controlled an annual budget of \$120,000, implementing strategic resource optimizations for increased efficiency

### 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