

# Jack Zhang

## Full-Stack Developer | Software Engineer

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### SUMMARY

Results-driven Software Engineer with experience in full-stack development and a background in business management and finance. Proven track record of delivering high-quality solutions in fast-paced environments

### TECHNICAL SKILLS

**Frontend:** Javascript, React, Redux, HTML, CSS, Tailwindcss, Next.js

**Backend:** Node.js, Express, Python, Flask, SQL, PostgreSQL, SQL-Alchemy, Bcrypt, MySQL, SQLite

**Technical Expertise:** Data Structures and Algorithms, Architecture, Debugging, Deployment

### 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.

**Software Engineer** | *Sushiya Japanese Restaurant Inc. (Contract Work)* | 03/24 - 04/24

- Developed a dynamic restaurant menu system utilizing CSV file integration, providing clients with a streamlined method for updating menu items
- Redesigned layout using Tailwind CSS, leveraging its built-in utilities for responsiveness, ensuring optimal user experience across various screen sizes
- Engineered an animated menu page to enhance user interaction and visual appeal, elevating the overall customer experience

### PROJECTS

**Pixelgram, Full Stack Developer** - React | Redux | Flask

[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 | Redux | Flask

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

A web application inspired by Stack Overflow (user 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