

Kenny Leong

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TECHNICAL SKILLS

Front End | React, Redux, Javascript, TypeScript, Node.js, Express.js, CSS, styled-components

Back End | Python, Flask, Java, C++, PostgreSQL, MySQL, WebSockets, Sequelize, Socket.IO

Testing/Deployment | Mocha, Chai, Jest

Developer Tools | Docker, Git, npm, Webpack, Babel, Agile Methodology, TDD

EXPERIENCE & PROJECTS

Full-Stack Software Engineer | Threadit

Apr 2023 - Present

Content sharing and discussion platform

React | Flask | Python | PostgreSQL | Redux | JavaScript

- Developed full stack web application that enables users to share content, engage in discussions, and join communities
- Employed Python and Flask to build the back-end, ensuring a robust and scalable server-side foundation
- Integrated SQLAlchemy and PostgreSQL for efficient data storage and retrieval, enabling smooth database management and query execution
- Leveraged Werkzeug for advanced routing, request handling, and middleware management, enhancing application performance and maintainability
- Utilized JavaScript, React, and Redux to create a responsive and interactive front-end, providing an intuitive user experience

Full-Stack Software Engineer | PixelPal

Mar 2023 - Present

Chat application with real-time messaging

React | Flask | Python | PostgreSQL | Redux | WebSocket

- Built full stack chat platform using web sockets for real-time messaging, with user authentication and server integration
- Improved user experience by enabling real-time communication between clients and servers with low latency
- Collaborated with a team using version control systems such as Git, promoting efficient code management and review processes
- Utilized Socket.IO for real-time communication between the client and server, enabling users to receive instant updates
- Reduced query times to database from 6,000 ms to 12 ms by using aggregator functions and indexing foreign keys
- Worked in a scrum environment with regular stand-ups, sprints, retrospectives, and task estimations
- Implemented JSON Web Tokens (JWT) for secure user authentication and authorization

Full-Stack Software Engineer | Altus Marketing LLC

Apr 2022 - Present

Entrepreneurial experience in software engineering

React | Sequelize | Redux | PostgreSQL | Express.js | Python

- Built and deployed multiple web applications for local businesses including restaurant websites and translation services
- Developed a Python script to automate the aggregation of data from multiple CSV files to reduce company expenses
- Created a REST API using the Express.js framework and Sequelize as the Object Relational Mapping (ORM) tool
- Established a CI/CD pipeline using GitHub Actions, enabling automated testing and deployment of application updates
- Utilized Express and Sequelize to build a scalable backend with a PostgreSQL database for fast query times
- Optimized application performance and user experience by implementing lazy loading and pagination of data
- Implemented security measures, such as input validation and parameterized queries, to prevent common web application attacks such as SQL injection and cross-site scripting (XSS)

EDUCATION

App Academy - Full Stack Engineering Bootcamp

2022—2023

Stanford University (Code in Place) - Python

2020

New York University - Computer Science

2015—2019