Tommy Li

Software Engineer

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Portfolio | LinkedIn | Github

Technical Skills

JavaScript, TypeScript, React, React Native, Redux, Node.js, Express, SQL(PostgreSQL), NoSQL, Webpack, GraphQL, Apollo, Python, Flask, Git/GitHub, HTML/CSS/Sass, Firebase, Django, AWS, Docker, CI/CD, Jest, Supertest, Gatsby

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Experience

Kensa | Software Engineer   *2022 - Present*

- Developed GraphQL API monitoring app with React that allows developers to monitor and test GraphQL APIs
- Implemented a GraphQL IDE using Monaco Editor to allow users to test GraphQL queries, providing a one-stop testing and data-monitoring playground to speed up the GraphQL API development process
- Created an npm package for app users to quickly establish connection between Apollo server and a SQL database through an API key to collect and store query metrics of all requests that are sent to custom GraphQL API endpoints
- Leveraged TypeScript auto type-checking functionality to minimize bugs and improve application scalability
- Integrated Apollo Server to an Express backend to communicate with SQL database and provide a self-documenting GraphQL API to the front end for faster request queries with strongly typed schemas and fields
- Deployed application using AWS EB and setup Cloudfront distribution to direct all incoming traffic to the registered domain name as well as sending all outgoing requests using a secure HTTPS port

Lucemi Incorporated | Software Engineer   *2020 - Present*

- Designed and built simple, tasteful websites, brand portfolios, and mock-up sites for clients
- Built semantically structured and responsive full-stack web applications for mobile and desktop devices
- Developed a customer-based website using HTML, CSS, and JavaScript and provided regular maintenance with new features such as newsletter subscription and web API. Recent clients include:
  - Nenn Construction - A Los Angeles-based construction company.

Zhuhai Hokai Medical Instruments Co. | Web Developer   *2020 - 2021*

- Work with other engineers to maintain and evolve our medical equipment products platform
- Built clean and reusable UI components across application utilizing Semantic HTML5, CSS3, JavaScript, and ReactJS
- Designed REST APIs with Node.js/Express.js following best practices
- Utilized MongoDB to create flexible schema for rapid ramp-up development and future horizontal scalability

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Open Source Projects

tasksAI | App Store | Repo

- Used React Native to develop a mobile app that utilizes machine learning to help users boost productivity
- Leveraged GraphQL to allow the front end to make fast and flexible API calls that communicate with SQL database
- Utilized Python to design a Flask server that performs analysis on user's tasks, generates metrics and recommendations and communicates with the main GraphQL backend
- Utilized Apollo Client to store GraphQL queries in a normalized in-memory cache to allow for faster data retrieval

MonoJStick | Site | Repo

- Created code snippets sharing app with React and React-Router, then improved responsiveness with Bootstrap
- Wrote JavaScript algorithm to ensure code validity to prevent spamming and invalid code submissions
- Utilized Firestore real-time database to provide fast and reliable backend queries and mutations

Spoon Meal Planner | Site | Repo

- Built meal planning app using HTML, CSS, and JavaScript
- Leveraged JavaScript to create fetch wrapper class to fetch data from Spoonacular API

Education & Certifications

AWS Certified - *Cloud Practitioner*

California Polytechnic State University, San Luis Obispo - *Bachelor of Architecture*