Tommy Li

Fullstack Software Engineer | Los Angeles, CA

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Technical Skills

JavaScript, React, Redux, Node.js, Express.js, SQL (PostgreSQL), NoSQL (MongoDB), GraphQL, Apollo, HTML/CSS/SASS, React Native, Authentication (bcrypt, JWT), Docker, TypeScript, Webpack, Firebase, Gatsby, Netlify, Git/Github, Python, Flask, D3/Chart.js, AWS, Chakra-UI, Material-UI, jQuery, Bootstrap, TDD (Jest, Supertest), Railway, Heroku, WordPress

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Experience

Kensa | Software Engineer   *Aug 2022 - Present*
- Developed GraphQL API monitoring app with **React** that allows developers to observe and test custom 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 development process for GraphQL schemas and resolvers
- Created an npm package for app users to easily 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
- Used **Redux Toolkit** to allow React components to subscribe to a central store that holds a moderate amount of states
- Leveraged **TypeScript** auto type-checking functionality to minimize bugs and improving application scalability
- Integrated **Apollo Server** to an Express backend to communicate with SQL database and provide a self-documenting GraphQL API to the frontend for faster request queries with strongly typed schemas and fields
- Deployed application using **AWS** Elastic Beanstalk and setup Cloudfront distribution to direct all incoming traffic to registered domain name as well as sending all outgoing requests using a secure HTTPS port (kensats.link)

Cal Poly San Luis Obispo | Student Front End Developer   *Jan 2019 - Aug 2019*
- Worked alongside the UI/UX developer for Cal Poly's Administration and Finance Department (AFD)
- Created dynamic forms with **JavaScript**, **jQuery**, and **PHP**

Canterbury Gardens & Gifts | Web Developer   *Jan 2018 - Sep 2018*
- Built website with WordPress and Shopify database that are ideal for large amount of store items
- Managed a database of SKUs for eCommerce website for brick-and-mortar Christmas store
- Used MailChimp to set up mailing list for advertising and marketing purposes

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Projects

taskAI | App Store | Info Page | Repo
- Built **React Native** mobile task-organization app that utilizes machine learning to help users boost productivity
- Leveraged **GraphQL** to allow front end to make fast and flexible API calls that pull and query data from SQL database
- Set up **Flask** server to query and manipulate data from GraphQL server for Machine Learning purpose (ML in progress)
- 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-Router** to handle client-side routing
- Used **Firebase** Authentication SDK to build secure multi-platform authentications and user creation and management
- Utilized **Firestore** real time database to provide fast and reliable backend queries and mutations

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Education

California Polytechnic State University, San Luis Obispo, CA | Bachelor of Architecture

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Tech Talk

Jeeny and Bractlet Speakers Series - Serverless Architecture (Lambda)

Interests

Indoor Bouldering | Hiking Mt Baldy | Listening to alternative rock | Playing Overwatch | Working out | Playing Guitar | Sketching buildings | Cooking Italian dishes | Reading sci-fi books | Browsing architecture news | Doing home repair