

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, Django, D3/Chart.js, AWS, Chakra-UI, Material-UI, jQuery, TDD (Jest, Supertest), Railway, Heroku, WordPress

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 optimal local zones for better latency as well as routing all requests through 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 and hosted Flask server to query and manipulate data from PostgreSQL database for Machine Learning
- Used Python to package structured machine learning data for recommendation generation using GPT v3 engine
- 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 & Certifications

AWS Certified - [Cloud Practitioner](#)

Expires Jan 2026

Fundamental understanding of IT services and their uses in the AWS Cloud and demonstration of cloud fluency and foundational AWS knowledge

California Polytechnic State University, San Luis Obispo, CA

Graduated June 2021

Bachelor of Architecture