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

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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 optimal edge zones for optimal 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