

Tommy Li

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Software Engineer | tommyli10@gmail.com

Los Angeles, CA

<https://github.com/tommyli10> | <https://www.linkedin.com/in/tommyli10/> | <https://tommy-li.com/>

Technical Skills

STRONG: JavaScript, React, React Native, Redux, Node.js, Express, SQL(PostgreSQL), NoSQL(MongoDB), GraphQL, Apollo, Webpack, GraphQL, Apollo, Authentication(bcrypt, JWT), Git/GitHub, HTML, CSS/Sass, Bootstrap, Docker, Firebase

Experience: TypeScript, Python, Flask, Django, jQuery, PHP, Docker, CI/CD, Material-UI, Railway, Heroku

Experience

Oslab | 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 the 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 improve 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 the registered domain name as well as sending all outgoing requests using a secure HTTPS port

Web Developer | Freelance ([portfolio](#))

Jan 2021 - Present

- Completed many websites for clients, including custom sites with HTML/CSS/JS and React/Gastby, hosting, handled RESTful requests with Node.js/Express.js, and more miscellaneous web development work
- Worked with modules like mongoose and node-postgres for Node.js to interact with MongoDB and PostgreSQL

Canterbury Gardens & Gifts | Web Developer

Jan 2018 - Sep 2018

- Built website with Wordpress and managed a database of SKUs with WooCommerce for an eCommerce website
 - Used MailChimp to set up mailing list for advertising and marketing purposes
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Open Source Project

tasksAI | [App Store](#) | [Info Page](#) | [Repo](#)

- Developed React Native mobile task-organization 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 pull and query data from 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 for data retrieval and storage, providing tasks insights for the user
- Utilized Apollo Client to store GraphQL queries in a normalized in-memory cache to allow for faster data retrieval
- Deployed backend services using AWS Elastic Beanstalk, configured load balancer to redirect traffic to HTTPS port

MonoJStick | [Site](#) | [Repo](#)

- Created code snippets sharing app with React and React-Router, and improved responsiveness with Bootstrap
 - Developed JavaScript algorithm to ensure code snippets submitted by users are valid and error-free
 - 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's Degree, Architecture