

# 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, Python, React Native, Authentication (bcrypt, JWT), Docker, TypeScript, Webpack, Firebase, Gatsby, Netlify, Git/Github, Flask, Django, D3/Chart.js, AWS, Chakra-UI, Material-UI, jQuery, TDD (Jest, Supertest), Railway, Heroku

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## Open Source Projects

**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
- Incorporated Redux Toolkit as the central state management technology, providing a centralized store for the app
- Deployed backend services using AWS Elastic Beanstalk, configured load balancer to redirect traffic to HTTPS port

**Kensa** | [Site](#) | [Repo](#)

- 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
  - Leveraged TypeScript auto type-checking functionality to minimize bugs and improve application scalability
  - Integrated Apollo Server to an Express backend to communicate with PostgreSQL database
  - Deployed the app in an AWS S3 bucket with CNAME and Alias records that enable the application to utilize a registered domain from AWS Route53 and redirected traffic to optimal availability zone using AWS CloudFront
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## Experience

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

Jan 2021 - Present

- Completed many websites for clients, including custom sites with HTML/CSS/JS and React/Gatsby, 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

**SECONEA Architects | Architect**

June 2021 - Dec 2021

- Handled a range of assignments that vary in scope and daily responsibilities, including keeping team effort organized, ensuring quality in project delivery, managing project budgets and schedules
- Work with Project Managers to design and adapt projects in accordance with zoning ordinances and building guidelines

**California Polytechnic State University | Student Developer**

Jan 2019 - Aug 2019

- Worked alongside the UI/UX developer for Cal Poly Administration and Finance Department (AFD)
- Construct marketing material with Photoshop and Illustrator for the Architectural Department

**Canterbury Gardens & Gifts | Web Developer**

Jan 2018 - Sep 2018

- Built website with WordPress and managed a database of SKUs for an eCommerce website
  - Used MailChimp to set up mailing list for advertising and marketing purposes
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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