Tommy Li

Fullstack Software Engineer | Los Angeles, CA

(415) 819-8043 | tommylidev@gmail.com | LinkedIn | Github | Portfolio

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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 improving 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

MonoJStick | Site | Repo
- Created code snippets sharing app with React and Google Firestore real-time database
- Used Firebase Authentication SDK to build secure multi-platform authentications and user creation and management

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Experience

Web Developer | Freelance (portfolio)   *Jan 2021 - Present*
- Completed many websites for clients, including custom sites with HTML/CSS/JS, 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

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Education & Certifications

Codesmith | Remote   **Aug 2022 - Nov 2022**
Full-stack software engineering immersive student in an intensive, 12-week, 450+ hour program focused on product development fundamentals, object-oriented programming, data modeling, and team collaboration strategies.

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