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, Authentication (bcrypt, JWT), Docker, TypeScript, Webpack, Firebase, Gatsby, Netlify, Git/Github, D3/Chart.js, Chakra-UI, Material-UI, Bootstrap, TDD (Jest, Supertest), AWS (EB, EC2, CloudFront), Github Actions, Railway, Heroku, WordPress

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Experience

Software Engineer | Peconea Consultancy   *Mar 2020 - Present*
- Worked with clients to understand their needs and design/build/maintain websites that align with their visions
- Leveraged React, HTML/CSS, and Gatsby to build responsive and performant websites that scale
- Handled RESTful and GraphQL API service requests with Node.js/Express.js and Apollo backend
- Worked with modules like mongoose for database persistence using Node.js to interact with MongoDB
- Set up continuous deployment (CD) pipeline and hosting for multiple websites using Netlify
- Implemented Mailchimp to handle the mailing lists for advertisement

Web Developer | Canterbury Gardens & Gifts   *Jan 2018 - Sep 2018*
- Managed a database of SKUs for eCommerce website for brick-and-mortar Christmas store
- Utilized WordPress to rebuild Magento website and incorporated SEO plugin for better search engine optimization
- Used MailChimp to set up mailing list for advertising and marketing purposes

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Projects

Kensa (Open Source Product) | GraphQL API monitoring app   *Aug 2022 - Present*
- Developed GraphQL API monitoring app 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 registered domain name as well as sending all outgoing requests using a secure HTTPS port ([kensats.link](#))

MonoJStick | Code snippets sharing app   2022
- Created code snippets sharing app with React and React-Router to handle client-side routing
- Used Firebase Authentication SDK to build secure multi-platform authentications and user creation and management
- Utilized Firebase real time database to provide fast and reliable backend queries and mutations

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Education

California Polytechnic State University, San Luis Obispo, CA | Bachelor of Architecture

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Tech Talk

Jeeny and Bractlet Speakers Series - Serverless Architecture (Lambda)

Interests

Indoor bouldering | Hiking Mt Baldy | Listening to alternative rock | Playing Overwatch | Working out | Playing guitar | Cooking Italian dishes | Reading sci-fi books | Browsing architecture news | Doing house repair and maintenance