Tommy Li

Software Engineer | Los Angeles, CA

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Technical Skills

Strong: JavaScript, React (Hooks, Router), Redux, Node.js, Express, SQL (PostgreSQL), NoSQL (MongoDB), GraphQL, Apollo, Authentication (bcrypt, JWT), Webpack, Git/Github, Chart.js, Chakra UI, Material UI, Bootstrap, HTML/CSS/SASS, Adobe Suite
Experienced: TypeScript, Python, TDD (Jest, Supertest, React Testing Library), Docker, AWS, CI/CD (AWS CodePipeline, Netlify), SEO

Experience

Kensa | Software Engineer | OSLabs   *Aug 2022 - Present*
- Developed GraphQL API monitoring app using React to dynamically generate components at runtime and maintain one-way data flow across the entire application, increasing scalability and creating a more intuitive debugging process
- 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
- Created custom TypeScripts types and interfaces to leverage auto type-checking functionality to minimize bugs and prevent runtime errors, improving application scalability and facilitating cross-development among teams
- 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 that provide descriptive error messages before execution
- Incorporated Apollo Client to create custom React hooks using predefined GraphQL fields to query the exact data and resources from SQL database in a single request on the client side, eliminating over-fetching or under-fetching problems
- 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)

Web Developer | Freelance   *Jan 2018 - Present*
- Designed, maintained and completed freelance projects for clients, including custom WordPress and Wix websites with plugins, converting PSD to HTML/CSS, hosting, and more miscellaneous web development work. Learn more at tommy-li.com.

Web Developer | Oriental Tea   *Jun 2020 - Sep 2020*
- Built Wix webpage for boba tea store and set up online ordering to serve hundreds of daily customers
- Utilized Wix to manage a database of SKUs for a catalogs of drinks and tea leaves for in-store and online purchase

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 Framework plugin for better search engine optimization
- Used MailChimp to set up mailing list for advertising and marketing purposes

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Projects

MonoJstick | Code snippet sharing app
- Created code snippets sharing app with React and React-Router to handle client-side routing, centralizing all routes in one component to provide seamless user experience in a single page application by mitigating component re-renders
- Used Firebase Authentication SDK to build secure multi-platform authentications and user creation and management

Rumblr | Earthquake information app
- Incorporated USGS API into backend controllers to retrieve and purify a myriad of earthquake data, simplifying frontend data retrieval
- Followed TDD with Jest and Supertest to ensure all REST API endpoints are operating properly and able to handle various edge cases throughout development, helping the app to scale by alerting any breaking changes when adding additional features

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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 | Sketching buildings | Cooking Italian dishes | Reading sci-fi books | Learning Italian | Browsing architecture news | Doing house repair and maintenance