Mark Toh

portfolio   marktohtk@gmail.com   linkedin   github

Full Stack Engineer, Front-End Engineer

Education	B.S. in Computer Sciences 2018 - University of Wisconsin-Madison, United States
Technologies	JavaScript, TypeScript, TailwindCSS, Next.js, React, Redux, Sagas, PostgreSQL, Node.js, Python, Go, GraphQL
Tools	Storybook, Jest, Cypress, Express, GitHub, VSCode, Vercel, Heroku, Stripe, Supabase

Work Experience

PropertyGuru 💼 Software Engineer 🗓 Sep 2023 - Present 🏢 Kuala Lumpur, Malaysia

Worked on growing, improving, and maintaining Asia's largest online property portal.

+ Developed core property listing features by converting Figma designs into styled-components and Next.js.
+ Tested components and features by writing unit tests in Jest.
+ Streamlined developer workflow by enforcing a pre-push git hook using Husky.

Mumbo Solutions 💼 Lead Software Engineer 🗓 Oct 2022 - Sep 2023 🏢 Penang, Malaysia

Worked on an e-commerce app for a wholesaler to manage and sell products online.

+ Developed a full-stack shopping cart system in React, e-GHL Payments Gateway, Node.js, and Supabase (PostgreSQL).
+ Developed components using Storybook, organizing them into micro-modules, and assembling the app using the component library.
+ Developed a module for admins to upload product photos using Supabase Storage API (Amazon s3 Storage).

Expedia Group 💼 Software Engineer 🗓 Nov 2020 - Dec 2021 🏢 Chicago, United States

Implemented designs for Expedia's flagship product, a travel agency & metasearch engine, that serves millions of flight passengers daily.

+ Developed core flight checkout experience features in React by analyzing Figma designs, breaking them down into components, and assembling them into production-ready modules.
+ Augmented developer community workflow by adding a Github Action into the CI/CD pipeline to speed up pull request queues.

DataChat 💼 Lead Software Engineer 🗓 May 2018 - Nov 2020 🏢 Wisconsin, United States

Worked on an AI Data Analytics chatbot for enterprises to oversee and forecast their data.

+ Spearheaded the development of a business intelligence dashboard in React, Redux and Plotly for businesses to gain insights on their commerce.
+ Curated an analytical data pipeline in React and Python for CEOs and Managers to observe live data.
+ Assembled an end-to-end test library in Jest and Cypress to provide developers a way to maintain product excellence.
+ Led an initiative to onboard new users onto the app by designing and developing a step-by-step tutorial to onboard new users, educating 5 junior engineers in the process.
+ Organized feature deliveries by breaking projects into milestones, reviewing pull requests, providing advice, and assuring project delivery timelines.
+ Assembled a chart library in React, Redux, and Plotly for displaying data as pie charts, bar charts, and geometric maps.

Project Experience

Dota Drafter

Dota Drafter is a tool for assessing strengths and weaknesses between characters.

+ Designed database for admins to create, read, update, and delete hero pairings using Supabase.