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

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.

- + 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 ⑤ 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 Al 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.