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
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 features by translating Figma designs into styled-components and Next.js.
+Augmented a gating feature by designing an algorithm that masks website URLs using RegEx.
+Operated in a biweekly cycle of sprint plannings and agile methodologies.
+Tested components and features by writing unit tests in Jest.
+Enforced development security 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).
+Authenticated users using React-Router and Supabase Auth API.
+Supported photo uploads using Supabase Storage API (Amazon s3 Storage).
+Notified users via Email using Courier Notification API.

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 checkout experience features by translating Figma designs into React.
+Accelerated development workflow by integrating Github Actions into the CI/CD pipeline.

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.

+Developed a business intelligence dashboard using React, Redux and Plotly.
+Displayed up-to-date data by automating an analytical data pipeline in React and Python.
+Established end-to-end tests in Cypress for CI/CD completeness.
+Led a team of 5 engineers to introduce a step-by-step tutorial to onboard new users.
+Reviewed pull requests and managed individual deadlines to ensure project delivery.
+Created a chart library with pie charts, bar charts, and OpenStreet maps in React and Plotly.
+Implemented create, read, update, and delete (CRUD) endpoints in Go for managing users.
+Developed a UI wizard for managing users in React, Redux, and Material Table.

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.

marktoh.com

A photography e-commerce website showcasing several photographs from a photographer.

+Integrated checkout using Stripe's Checkout API and created auxiliary endpoints in Node.js to process checkout session.