

# Mark Toh

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## Front-end Engineer, Full Stack Engineer, Tech Lead

**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** SEP 2023 - PRESENT

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

- Translated responsive Figma designs into React using styled-components and Next.js.
- Masked website URLs by designing an algorithm using regular expressions.
- Performed sprint plannings and participated in an agile methodology.
- Wrote unit tests in Jest for utility functions and React components.
- Improved development workflow by creating a pre-push git hook using Husky.

### **Mumbo Solutions** OCT 2022 - SEP 2023

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

- Developed a full-stack shopping cart system using React, e-GHL Payments Gateway, Node.js, and Supabase (PostgreSQL).
- Authenticated users using React-Router and Supabase Auth API.
- Upload photos to products using Supabase Storage API (Amazon s3 Storage).
- Notified users via Email using Courier Notification API.

### **Expedia Group** NOV 2020 - DEC 2021

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

- Translated UI/UX designs from Figma into React/JavaScript code.
- Improved development workflow by integrating Github Actions into the CI/CD pipeline.

### **DataChat** MAY 2018 - NOV 2020

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.
- Created a data pipeline that shows the latest company data in React and Python.
- Designed end-to-end test suites in Cypress to improve software uptime.
- 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, Redux, 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

### **Resume Creator**

Resume Creator is a tool for creating resumes using a custom design system.

- Created a mobile-first responsive design system using TailwindCSS and Storybook.

### **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.