

# Ambrose Liew

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## EXPERIENCE

**Shopee – Engineering Infra Team, Frontend Developer, Singapore**

**August 2024 – Current**

- Supported multiple internal micro-frontends (Webpack's Module Federation) using AntDesign, Formily, Monaco Editor, React-flow-renderer, AntV G2 & G6.
- Built a CRUD backend feature for assets management using NestJS (MySQL).

**CyberOwl, Full Stack Developer, Singapore**

**June 2023 – April 2024**

- Developed an accessible table dashboard (React, TypeScript, Tailwind CSS, Headless UI) per Figma designs. Improved UX and performance with route-based splitting, parallel fetch requests (Promise.all), and lazy loading.
- Added short polling for cloud data sync and implemented cron jobs in a Rust Axum backend (SQLite).
- Built a CRUD feature for USB flash drives across frontend and backend, collaborating with UK teams.

**ByteDance – Global Payments Team, Frontend Engineer Intern, Singapore**

**May 2022 – November 2022**

- Developed a useWatermark() hook for image watermarking via Canvas API. Enhanced useRequest() with throttling and debouncing. Contributed 7 commits and resolved 23 issues in an internal React Hooks library.
- Built internal auditing pages, an interactive graph node app (React-flow-renderer), and a graph chart (Apache ECharts), ensuring pixel-perfect UI per Figma designs. Coordinated with teams from China.
- Mentored colleagues on best frontend practices.

**Lenskart, Frontend Developer Intern, Singapore**

**May 2021 – August 2021**

- Redesigned parts of lenskart.sg using React and conducted web testing with Cypress.io to identify and fix bugs. Designed a National Day website using HTML and CSS.
- Collaborated with outsourced team Naturaily to optimize the website's performance and UX using Next.js, TypeScript, Styled-Components, React Storefront.

**Medium, Medium Partner, 100+ followers**

**November 2022 – Current**

- Composed multiple short, straight-to-the-point articles, trying to teach the best frontend practices.
- <https://medium.com/@ambroseliew1998>

## EDUCATION

**National University of Singapore**

**Aug 2019 – May 2023**

Bachelor of Computing (Honours), Major in Computer Science, Software Engineering & Computer Security Focus Area

**Google Developer Student Club NUS – Project Juniors Club – Frontend Lead**

**Aug 2022 – Aug 2023**

Mentored peers and led frontend development for an interactive Learning Management Service for children at Food Bank.

## SKILLS

### Languages

English (Native) • Chinese (Native) • Japanese (Intermediate) • Korean (Basic)

### Technologies

React • Next.js • TypeScript • JavaScript • Webpack • HTML • CSS • NestJS • Rust • C++ • Node.js • Solidity • Python • Golang • Java • React Native • Android Studio • Docker • Kubernetes • PostgreSQL • MySQL • SQLite • Jest • Cypress.io

## PROJECTS

**MapleWordle** – A MapleStory-based Wordle fan game, has an average of hundred users daily, with a peak player count of around 2000. Built using Next.js, Supabase, TypeScript, Tailwind CSS.

Link: <https://www.maplewordle.com/>

**Web3 Lottery** – A lottery smart contract that draws daily, on the Sepolia Testnet, automation and randomness provided by Chainlink. Built using Foundry, Next.js, TypeScript, ethers.js, DaisyUI.

Link: <https://web3-lottery-frontend.vercel.app/>

**PracticalTouch** – An Android app that was made with MVVM architecture and Room database, with my partner for CP2106. It is an app overlay that enables a more convenient and efficient way of switching between applications.

Link: <https://github.com/weixin-tan/Practical-Touch>