Ambrose Liew

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EXPERIENCE

CyberOwl, *Full Stack Developer, Singapore* **June 2023 – April 2024**

- Took complete responsibility and ownership in creating an a11y web table-dashboard with React, TypeScript, Tailwind CSS, Headless UI, React Router DOM, TanStack Table and TanStack Query, following designs from Figma.
- Updated Rust Axum web framework (DB: SQLite), based on feature requirements.
- Contributed long polling code to sync with data in the cloud and coded numerous cron jobs.
- Coordinated with various teams to deliver a significant feature (storing, displaying, and tracking of USBs on vessels and in the cloud).

ByteDance – Global Payments Team, *Frontend Engineer Intern, Singapore* **May 2022 – November 2022**

- Utilised TypeScript, React, CSS and coordinated with various teams to fulfil product requirements.
- Contributed 7 commits, and resolved 23 issues in internal custom React Hooks library, which is used in majority of company's projects.
- Built an interactive graph node application using React-flow-renderer, designed a graph chart using Apache Echarts and followed Figma design by UI designers to pixel perfection to recreate designs in the frontend.

Lenskart, *Frontend Developer Intern, Singapore* **May 2021 – August 2021**

- Redesigned the original website, https://lenskart.sg/, using React, Next.js and React Storefront to improve the performance and user experience of the website.
- Performed web application testing using Cypress.io to discover and correct bugs.
- Incorporated TypeScript to minimise run-time errors and Styled-Components to reduce code duplication.

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

Google Developer Student Club NUS – Project Juniors Club – Frontend Lead **Aug 2022 – Aug 2023**

Tasked to lead the frontend development to build an interactive Learning Management Service targeted for children, for Food Bank.

Link: https://github.com/Project-Juniors-Club

SKILLS

Languages

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

Technologies

React • Next.js • TypeScript • JavaScript • HTML • CSS • Rust • C++ • Node.js • Solidity • Foundry • Python • Golang • Java • React Native • Android Studio • Docker • Kubernetes • Travis CI • Mocha • 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(Model-View-ViewModel) 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