

LIOW SHAN YI

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Skills

- Javascript, Typescript, Java, Go
- React, React Native, NextJS, HTML, TailwindCSS, ExpressJS, NodeJS, PostgreSQL, MongoDB, GraphQL, AWS, Docker, Kubernetes
- English, Chinese, Malay, Japanese

Experience

Frontend Engineer

Tatsu Works

Singapore (Remote)

06/2022 - Present

- Led the front-end development of a community-focused Discord Bot using **TypeScript and GraphQL**, from gathering user requirements to overseeing feature implementation, testing, and deployment, achieving integration by more than 1.4 million Discord servers worldwide.
- Redesigned the corporate website with innovative designs and features built with **ReactJS and TailwindCSS**, achieving a rise in traffic to 50,000 monthly visitors and successfully implemented a subscription newsletter that gained over 7000 subscribers in just 2 months.
- Collaborated with the team to develop the user-centric frontend interface for seamless Solana web3 wallet integration, enabling users to link accounts and claim in-game rewards on the Solana blockchain.
- Designed and developed a user-friendly internal dashboard that automated the workflow of updating assets and user data, simplifying data management tasks for 50 employees daily.
- Streamlined the deployment process of the Discord Bot on AWS using CI/CD pipelines, overseeing updates from development to production and enabled seamless feature rollouts using Kubernetes and Docker.

Junior Frontend Engineer

DM. Dasher

Malaysia (Hybrid)

09/2021 - 05/2022

- Developed and optimized an Order Management System using **ReactJS and Material UI**, enhancing real-time sales tracking and efficiency for 80 employees, driving \$1m in annual sales.
- Collaborated with UX designers to develop scalable and performance-focused React components for a **NextJS**-based parcel tracking website, processing over 500K orders across diverse platforms.
- Conducted A/B testing to optimize product pages on Shopify platform, implementing a responsive and enhanced visual and user experience for the website.

Frontend Engineer, Internship

Code for Asia Society

Singapore (Remote)

01/2021 - 07/2021

- Optimized the frontend interface of a web application for hackathon event management build with **ReactJS and Bootstrap**, ensuring a seamless registration experience for over 500 participants.
- Redesigned and enhanced the website's interface and integrated RESTful APIs, significantly improving navigational flow and system efficiency, which helped boost user engagement metrics and reduced loading time.
- Conducted regular code review sessions and authored documentation to enhance team knowledge-sharing and codebase maintainability.

Education

Bachelor of Computer Science

Taylor's University

Malaysia

03/2019 - 07/2021

Diploma in Information Technology

College MDIS Malaysia

Malaysia

04/2016 - 11/2018

Projects

CoinPenguin

2022

- Developed a Full-Stack cryptocurrency tracking web application, incorporating data from CoinGecko API for real-time price tracking and market analysis.
- Implemented user authentication and personalized watchlists, enabling users to customize their user experience.
- Integrated charting and analysis tools to provide users with in-depth technical analysis of various cryptocurrency in real-time.
- [View Live Demo](#)

Penguin Club

2022

- Created and launched a digital assets collection of 3,333 items on the Ethereum blockchain; Published on OpenSea, the world largest marketplace for collectibles trading.
- Designed and developed a landing page website to promote the features of the unique digital collectibles.
- [View Live Demo](#)

Penguin Mint

2022

- Created a [Smart Contract](#) with Solidity to mint a Penguin digital collectibles on the [blockchain](#).
- Designed and engineered a decentralized application that interacts with smart contracts for the digital collectibles minting process.
- [View Live Demo](#)