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 with over 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 3 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 **ReactJS**-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 built 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

CoinPengin	**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](#)

PenginClub	**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](#)

PenginMint	**2022**

- Created a [smart contract](#) with Solidity to mint a Pengin 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](#)