

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 | <u>Tatsu Works</u> | <i>Singapore (Remote)</i> | 06/2022 - Present |
| <ul style="list-style-type: none">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 | <u>DM. Dasher</u> | <i>Malaysia (Hybrid)</i> | 09/2021 - 05/2022 |
| <ul style="list-style-type: none">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 | <u>Code for Asia Society</u> | <i>Singapore (Remote)</i> | 01/2021 - 07/2021 |
| <ul style="list-style-type: none">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

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|--|-------------------------------------|-----------------|--------------------------|
| Bachelor of Computer Science | <u>Taylor's University</u> | <i>Malaysia</i> | 03/2019 - 07/2021 |
| Diploma in Information Technology | <u>College MDIS Malaysia</u> | <i>Malaysia</i> | 04/2016 - 11/2018 |

Projects

- | | |
|---|-------------|
| CoinPenguin | 2022 |
| <ul style="list-style-type: none">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 | |
| PenguinClub | 2022 |
| <ul style="list-style-type: none">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 | |
| PenguinMint | 2022 |
| <ul style="list-style-type: none">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 | |