

Liow Shan Yi

liowshanyi@gmail.com | liowshanyi.site | github.com/syliow | linkedin.com/in/syliow | Malaysia

SKILLS

Languages: TypeScript, JavaScript, Go

Technologies: React, Next.js, HTML, CSS, Tailwind CSS, Node.js, Express.js, PostgreSQL, MongoDB

DevOps & Tools: Git, Docker, Kubernetes, Helm, Lens, Amazon Web Services (AWS)

WORK EXPERIENCE

Full Stack Developer, Tatsu Works – Singapore (Remote)

Aug 2022 – Mar 2025

- Led design and development of a Discord game bot for a cross-platform Unity game, building gameplay UI with TypeScript and integrating Node.js REST APIs to support internal playtesting by 50 employees.
- Developed frontend UI and backend API with Next.js, TypeScript, and PostgreSQL to deliver tap-based gameplay for 30,000 Telegram users, including Ronin Waypoint login integration.
- Implemented UI for a web game event using React and Tailwind CSS to enable core gameplay features and support wallet integration for 45,000 players.
- Redesigned marketing website using React and Tailwind CSS, boosted monthly traffic by 20% and acquired 5,000 newsletter subscribers within one month.
- Engineered a Discord community bot with TypeScript and Node.js, achieving adoption across 100,000 Discord servers.

Full Stack Developer, Dasher – Malaysia (Hybrid)

Oct 2021 – May 2022

- Developed full-stack features for an order-management dashboard using React and Node.js, enabling 70 employees to process 600 daily orders and generate RM500K in annual revenue.
- Engineered interactive graphs and bar charts for the dashboard using JavaScript, transforming raw sales data into insights for monthly business reports.
- Collaborated with the marketing team on A/B testing of the Shopify checkout flow, improving conversion rates and increased monthly sales by 20%.

Software Engineer Intern, Code for Asia – Singapore (Remote)

Apr 2021 – Aug 2021

- Built an online event platform for virtual hackathons using React and Node.js API, supporting 500 participants and achieved 90% positive feedback.
- Developed real-time analytics features in JavaScript to help organizers track engagement across multiple hackathons.

PROJECTS

Crypto Tracker Website

coin-pengin.netlify.app

- Built a full-stack website with React, Node.js, and MongoDB, integrating Coingecko API to display real-time data for 100+ cryptocurrencies.
- Implemented JWT-based user authentication and personalized watchlists, enabling users to track tokens.
- Integrated charting and analysis tools to provide users with technical analysis of cryptocurrencies.
- github.com/syliow/coinpengin-frontend | github.com/syliow/coinpengin-backend

NFT Minting Website

pengin-nftmint.netlify.app

- Wrote a smart contract with Solidity for minting NFTs on Ethereum testnet.
- Developed a decentralized application (dApp) using React and Ethers.js to interact with the smart contract, enabling wallet integration and on-chain NFT minting.
- github.com/syliow/pengin-nft-minting-website

EDUCATION

Taylor's University – Bachelor of Computer Science, CGPA: 3.7

Aug 2021

College MDIS Malaysia – Diploma in Information Technology, CGPA: 3.5

Nov 2018