

LOW JIAN CHENG

Availability: 5 May 2025 - 1 Aug 2025 (Full Time)

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EDUCATION

National University of Singapore — Bachelor of Computing in Computer Science

Aug 2023 - May 2027

- GPA: **4.63 / 5.0** - First Class Honours
- Relevant Coursework: Programming Methodology | Data Structures and Algorithms | Computer Organisation | Software Engineering | Database Systems | Introduction to Operating Systems | Introduction to Business Analytics
- Awards: NUS Merit Scholarship

SKILLS

- **Languages:** Java, Javascript, Typescript, HTML, CSS, Python, MIPS Assembly, C, SQL
- **Frontend:** React, Next, Tailwind, Material-UI
- **Backend:** Node, Express, Flask, Postman, PostgreSQL, MongoDB, Firebase
- **Developer Tools:** Git, Github, Docker, AWS

WORK EXPERIENCE

NUS Fintech Lab, Software Engineer Intern — *Singapore*

Jul 2024 - Jan 2025

- Developed a **real estate fractionalisation platform** on the XRP Ledger (XRPL), enabling investors to own fractionalised property assets.
- Led the **frontend development** of the login and home pages using **React**, ensuring a seamless and responsive user experience.
- Designed and implemented **backend endpoints** for **asset tokenisation** using **Node.js** and **Express**, enabling secure and efficient transactions.
- Integrated **PostgreSQL** as the database solution to store asset and transaction records securely.
- Followed **Agile methodologies**, participating in **weekly standup meetings** to discuss progress, challenges, and sprint planning.
- Project was **selected for UBRI Connect 2024** and is **currently in collaboration** with Portuguese real estate startup **Unlockit** to explore real estate fractionalisation opportunities in Singapore.

EXTRA-CURRICULAR ACTIVITIES

NUS Fintech Society, Technical Lead (*Blockchain Department*) — *Singapore*

Aug 2025 - Present

- Leading a **team of 5 developers** to build a **mobile crypto wallet** leveraging **ERC-4337 account abstraction** using **Singpass** for enhanced user experience.
- Integrating **Singpass authentication** to enable secure, decentralised identity verification.
- Overseeing both **frontend (React Native)** and **backend (Node.js, Express, and Solidity)** development to ensure a seamless and secure transaction flow.
- Designing and implementing **smart contract logic** to manage non-custodial wallet operations.
- Conducting **weekly Agile standup meetings** to track progress, address challenges, and align development with project goals.

PROJECT EXPERIENCE

LOWJIANCHENG.COM — Personal Portfolio Website (*Personal Project*)

- Designed and developed a **personal portfolio website** to showcase projects, skills, and experiences.
- Integrated responsive design, UI UX best practices and state management using **React** and **Material-UI**, hosted on Vercel.

PROPHETBYJC.COM — Crypto Price Predictor (*Personal Project*)

- Built a **decentralised application (DApp)** where users predict future cryptocurrency prices, with the closest guess winning the pot.
- Developed the frontend using **Next.js** and **Material-UI (MUI)** for a modern and interactive user experience.
- Designed and deployed **Solidity smart contracts** to handle fair and transparent prize distribution on the blockchain.
- Integrated **real-time price feeds** via on-chain oracles to ensure accurate price validation.

MATCHESTATE — Real Estate Agent Address Book and Management System (*CS2103T Group Project, In Progress*)

- Developing a **Java**-based bot for managing real estate agent's contacts, properties and clients.
- Integrating a smooth user interface with **JavaFX** and ensuring rigorous code quality by implementing **JUnit** testing.
- Coordinating peer reviews and code merges using Git and GitHub, promoting collaborative development and minimising integration issues.