

Kevin Chang Jon Kit

Software Engineer—conscientious, curious, and creative craftsman of code. Final year computer science student with full stack development experience at 3 companies. With coding as my canvas and software as my art, I am here to paint the future.

[LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS) Aug 2021 – May 2025

Bachelor of Computing in Computer Science, Honours

- NUS Merit Scholarship (Top 5% of cohort)
- Dean's List, Academic Year 2021/2022 (Top 5% of cohort)
- Cumulative Average Point: 4.80 / 5.00

EXPERIENCE

HUTCHINSON RESEARCH & INNOVATION SINGAPORE Jan 2024 – Jun 2024

Software Engineer Intern

- Developed a generative AI tool as a web application, drastically improving company routine administration
- Built and designed front end in **React.js** and **Sass**, integrated with **Python FastAPI (REST)** and **PostgreSQL** database
- Deployed on **Microsoft Azure** cloud, with containerization microservices (**Docker**, **Podman**) while ensuring security

NIFTYZONE May 2023 – Aug 2023

Full-stack Developer

- Developed responsive full-stack claim page application, automating gasless purchase and claim of NFTs from AI artists
- Integrated different applications with **Express.js** and **Ethers.js**, enabling campaigns capturing thousands of end users
- Resolved User Interface issues for web applications in **Next.js**, learning industry best practices for clean, scalable code

SWITCHEO LABS May 2022 – Jul 2022

Back-End Engineer Intern

- Developed a blockchain-network based trading bot for automated testing of trading engines with **Node.js**
- Upgraded features of Carbon, a layer 2 blockchain with more than 15,000 users globally, in **Golang**
- Conducted a workshop on blockchain architecture development with **Cosmos SDK** for interns & colleagues

NANYANG TECHNOLOGICAL UNIVERSITY Jan 2019 – Mar 2019

Research Assistant

- Designed numerous models, including novel ones, of random graphs in **Python (Jupyter Notebook)**
- Developed a network infection simulator based on the SIR model
- Analysed the properties of various models and the feasibility of simulating social networks with graph theory

PROJECTS & COMPETITIONS

PAYSCRIBE @ TELEGRAM – [GitHub](#) Feb 2024 – Present

Group Payment Tracker

- Built a bot on messaging platform Telegram that tracks group expenses with debt optimization
- Developed in **Rust** with **Teloxide**, integrated with **Redis**, leading to high performance, low networking latency responses
- Executed Software Development Life Cycle with CI/CD, user feedback for User Experience, backups and migration tools

NUS HACK & ROLL 2023 – [Devpost](#) Jan 2023

School-based Unrestricted Hackathon

- Developed BubbleTeaSort, a social media mobile application for users to share and search for Bubble Tea
- Built working demo of product within 24 hours, through smooth teamwork and communication
- Integrated with **Firebase** back end, and built front-end components in **React Native**

APPETIZER HACKATHON 2022 – [GitHub](#) Nov 2022 – Dec 2022

Global API Hackathon

- Built Chirple, a Twitter analytics application that conducts sentiment analysis using Hashscraper's API for SMEs
- Developed using **React.js** and **Node.js**, and hosted on **Netlify**

TEZASIA HACKATHON 2022 – [GitHub](#) Jul 2022 – Aug 2022

Blockchain Development Hackathon

- Developed CraiyonFT, an AI-based generative NFT platform for minting NFTs using word prompts
- Built a **Flask** server as backend with **IPFS** integration, and developed the **smart contracts** used for deployment
- Won 1st Runner-Up in the NFT "Small but Great" category

CO-CURRICULAR ACTIVITIES

NUS FINTECH SOCIETY

Aug 2021 – Aug 2023

Blockchain Developer

- Participated in workshops, seminars, and hackathons revolving around blockchain-related technology
- Coordinated with fellow members in group projects, building generative NFTs and token funds

JIAYOU STATION

Mar 2021 – Nov 2021

Volunteer Tutor

- Tutored a Secondary 4 student in GCE 'O' Level Chemistry and Physics on a weekly basis
- Sourced resources and concept reviews for supplementary learning
- Attended to various concerns on holistic education and future planning to support overall well-being

TECHNICAL SKILLS

- **Programming:** JavaScript | TypeScript | Python | Rust | Java | C | C++ | Go | Bash
- **Web & Mobile:** HTML | CSS | Node.js | Express.js | React.js | React-Native | Next.js | Flask
- **Cybersecurity:** Cryptography | Kali Linux | Nmap | Wireshark | Burp
- **Databases:** SQL (MySQL, PostgreSQL) | Redis | MongoDB
- **Blockchain:** Solidity | Anchor | Ethers.js | Truffle.js | SmartPy
- **Tools & Systems:** Git (Version Control) | Linux | Docker | Vi (Vim, Neovim)

ADDITIONAL INFORMATION

Languages: English (Proficient) | Chinese (Intermediate) | French (Basic)

Interests: Pianist | Calisthenics athlete | Competitive speed-cuber (solving Rubik's Cubes)