

Kevin Chang

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

- Specialisation in **Parallel Computing** and **Networking and Distributed Systems**
- 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, enhancing company routine administration
- Designed front end in **React.js** and **Sass**, integrating seamlessly with **Python FastAPI (REST)** and **PostgreSQL** database
- Deployed on **Microsoft Azure** cloud using containerization technologies (**Docker**, **Podman**) while ensuring security

NIFTYZONE

May 2023 – Aug 2023

Full-stack Developer

- Constructed responsive full-stack web application, automating gasless purchases of NFTs from AI artists
- Integrated multiple applications with **Express.js** and **Ethers.js**, facilitating campaigns that captured over 1000 end users
- Resolved User Interface issues in **Next.js**, implementing industry best practices to enhance User Experience

SWITCHEO LABS

May 2022 – Jul 2022

Back-End Engineer Intern

- Initiated a blockchain network-based trading bot using **Node.js**, automating the testing of trading engines
- Enhanced features of Carbon, a layer 2 blockchain used by over 15,000 users globally, utilising **Golang**
- Conducted a workshop on blockchain architecture development with **Cosmos SDK**, strengthening team knowledge

PROJECTS & COMPETITIONS

PAYSCRIBE @ TELEGRAM – [GitHub](#)

Feb 2024 – Present

Group Payment Tracker

- Created a bot on messaging platform Telegram that optimises group expenses, simplifying payments for over 100 users
- Written 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

- Built BubbleTeaSort, a social media mobile application for users to easily share and search for Bubble Tea
- Created 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**

TEZASIA HACKATHON 2022 – [GitHub](#)

Jul 2022 – Aug 2022

Blockchain Development Hackathon

- Constructed CraiyonNFT, an AI-based generative NFT platform for designing and 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

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
- **Databases:** SQL (MySQL, PostgreSQL) | Redis | MongoDB
- **Tools & Systems:** Git (Version Control) | Linux | Docker | Vi (Vim, Neovim)

ADDITIONAL INFORMATION

Languages: English (Proficient) | Chinese (Intermediate)

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