

NAPHAK JAENGJAIKUL

Full-Stack Developer, Software engineer, Mobile App Developer

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EDUCATION

The University of Hong Kong (2022 - 2026)

BASc in Financial Technology (under Computer Science Department) with a minor in Computer Science

PROFESSIONAL EXPERIENCE

0159 Group | Full-Stack Developer (Nov 2025 - current)

- Architected and developed **Circle Ticket**, a next-gen ticketing platform, built with **TypeScript, Next.js, Node.js, Express, Docker, MongoDB + Mongoose**.
- Implemented **JWT authentication, guest token flow**, and a fully stateless access pipeline.
- Built full **Stripe** integration, including a 50/50 split-payment mechanic (50% upfront, 50% post-event).
- Used **TailwindCSS** for styling, centralized global state with **Zustand**, and optimized API I/O using **Axios + React Query**, form management using **React Hook Form + Zod**.
- Built a staff-side scanning module inside the same application, enabling real-time ticket validation and check-ins with millisecond response times.

Standard Chartered Bank HK | Software Engineer Intern (June 2025 - Aug 2025)

- Worked on the **world's first ever HKD stablecoin** using the Hardhat framework.
- Made an automated testing scripts in **Solidity** and **TypeScript** for unit and integration tests.
- Worked with **NextJs** on the frontend
- Integrated AI into the software QA pipeline to improve testing efficiency.
- Leveraged the JIRA API to automatically create and log tickets for bugs identified during testing cycles.

OUT Company LTD | Full-stack Developer (May 2025 - Sep 2025)

- Founded the startup, single-handedly design + built the mobile app, and the backend development.
- Architected and built the full-stack application using **TypeScript, React Native, Node.js, Express, and Supabase**.
- Integrated **20+ RESTful API endpoints** and managed application state globally using **Zustand**.
- Enhanced performance and security by implementing **RN MMKV** for caching and **Keychain** for secure storage.
- Engineered real-time features using **Supabase real-time subscriptions** (Table listener) and Push notification using **Expo Notifications**
- Achieved **Top 8** in Social Networking on the App Store and gained **1,000+ downloads** in the first month.

ALGOGENE FINANCIAL TECHNOLOGY COMPANY LTD | Software Engineer Intern

(June 2024 - Aug 2024)

- Developed and deployed **real-time trading signal bots** for equities, cryptocurrency, and commodities.
- Developed a fully automated AI-powered social media post system using BeautifulSoup, Selenium, ChatGPT API, and various social media APIs
- Conducted data analysis and virtualization of various financial instruments using **Python, Pillow, Mplfinance, Pandas, Plotly, numpy, and Pandas TA**
- Managed database operations using **SQLite3**
- Used **AWS S3** for cloud storage

PERSONAL PROJECTS & COURSE WORK

OUT! - In-real-life Hangout App (Available on AppStore)

→ Tech Stack: React Native, Supabase storage/database/Auth, NodeJs, ExpressJs

StoryMap: Find new people around you using a 3D map (Project discontinued)

→ Tech Stack: React Native, Firebase storage/Database/Auth, Mapbox (Open source map SDK)

ReState - Real Estate App (Practice project)

→ Tech Stack: React Native, AppWrite Storage/ database

ReTeadHKU - Second hand item trading app for HKU students (Course Work)

→ Android Studio, Java (Android), XML, firebase, Postgresql

SKILLS

- Front-End:** HTML, CSS, React, NextJs, Tailwind, Bootstrap,
- Back-End:** Javascript, NodeJS, expressJs, FastAPI (Python), Docker, Flask
- Programming:** Python, Javascript, HTML, CSS, C++, C, C#, Java, Kotlin, Shell Script
- Mobile App Development: React Native, Expo, Android Studio, Kotlin, Java (Android)
- Database:** PostgreSQL, MongoDB, Supabase, Firebase
- Languages:** English, Thai