NAPHAK JAENGJAIKUL

Mobile App Developer, React Native/ React Engineer, Software engineer

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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

Standard Chatered Bank Hong Kong - 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 Limited - Founder, CEO, Full-stack Developer (Mobile frontend and backend)
(May 2025 - current)
- Founded the startup, single-handedly design + built the mobile app, and led the backend development.
- Architected and built the full-stack application using **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.

HKU, Department of Industrial and Manufacturing Systems Engineering - Software Developer Intern
(Aug 2024 - Sep 2024)
- Use **Tensorflow** to build **CNN** to do a real-life magic chanting pattern recognition project (Harry Potter Wand)
- Assisted in developing a Digital Twin computer vision project using **C#** and **Unity**
- Built a VR/XR project with **C++** and **Unreal Engine 5 BP**
- Developed a project website (https://visioneers.hku.hk/)

ALGOGENE FINANCIAL TECHNOLOGY COMPANY LIMITED - Software Developer 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 web scraping (BS4, selenium web driver), ChatGPT API, and various social media APIs
- Conducted data analysis and vitualization 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

KEY ACHIEVEMENTS

Certificates
- Finalist & Merit rewards / HK TECHATHON+ 2024 (Trusted AI & data science)
- Winning team / Cyberport University Partnership Programme FinTech Entrepreneurship Boot Camp 2023
- Completion of OpenCV Bootcamp by OpenCV University
- Completion of Tensorflow-Keras Bootcamp by OpenCV University
- Blockchain for Business: The New Industrial Revolution by Udemy
- Blockchain A-Z: Learn How To Build Your First Blockchain by Udemy

SKILLS

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

PERSONAL PROJECTS & COURSE WORK

OUT! - IRL hangout Mobile App (Available on AppStore)
� Tech Stack: React Native, Supabase storage/database, NodeJs, ExpressJs
StoryMap: Find new people around you using map (Project discontinued)
� Tech Stack: React Native, Firebase storage/Database, Mapbox,
ReState - Real Estate App (Practice project)
� Tech Stack: React Native, AppWrite Storage/ database
ReTeadHKU - Second hand item trading app (Course Work)
� Android Studio, Java (Android), XML, firebase