

Jake Kuo

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SUMMARY

- 8 months of internship experience as a blockchain engineer at Cathay Financial Holdings.
- Over 3 years of experience in web development, with a solid understanding of team development processes and version control (Git Flow).
- Proficient in front-end development with React/Next.js frameworks, Tailwind CSS, and CI/CD design.
- Experienced in collaborating with back-end engineers and UI designers to meet API specifications and design requirements.
- Served as a front-end engineer for the Blockchain Organization of NTU FinTech Society, co-organizing student programming competitions and developing web applications.

EDUCATION

National Kaohsiung University of Science and Technology

Master's degree 9/2022 - 1/2024

Department of Computer and Communication Engineering

Bachelor's degree 9/2018 - 6/2022

- Coursework: Software Development (C/C++), Operating Systems, Programming for Web (PHP, HTML, CSS, JavaScript, JQuery, Ajax), Data Structures & Algorithms, Smart Contract Development (Solidity/web3.js), Database (MySQL), Programming for Mobile design (Android Studio/Java)
- In Taiwan University's Financial Technology Research Community, I serve as a frontend engineer in the blockchain department.

SKILLS

- **Frontend Basic** : Html5 | CSS3 | JavaScript(ES6+) | TypeScript | RWD | PWA | jquery/Ajax | Redux | Jest
- **Styling** : TailwindCSS | Bootstrap5 | Shadcn
- **Frontend Frameworks** : React 18+ & hooks | Next.js
- **Backend Frameworks** : Node.js 16+ Express.js | ASP.NET 8
- **Building tools** : Webpack | Npm & Yarn & Pnpm | Eslint | Turbo repo
- **Dev skills** : Linux Shell Script | Git Version Control | Docker | GitHub Actions CI/CD
- **Mobile Application** : Android Studio(Java)
- **SQL** : SQL Server | MySQL

WORK EXPERIENCE

Cathay Financial Holdings

7/2023 - 2/2024

Blockchain engineer Intern

- Supporting the financial blockchain application(2+) and developer tool development using Solidity proxy contract, go-quorum api, React.js (ink app).
- Research blockchain technology as sharing content in learning session.
- Attend the web3 hackathon events(7+).

Project: Blockchain Development Kit (go-quorum api, React.js (ink app), TypeScript, Docker)

- The project is open source npm package at cathay financial holdings.
- BDK simplifies blockchain creation (using Hyperledger Fabric/Quorum) with command-line tools and npm packages, making network management and monitoring easier than ever. Interactive prompts are supported, triggered with -i or --interactive alongside all CLI commands.
- Refactor the ethereum quorum node dashboard, and accelerate developers' monitoring of node efficiency.

HONORS & AWARDS

- **2024 EthTaipei hackaton Zircuit (Win second place)**
Building the Decentralized of dog walking social application on Zircuit chain
- **2023 Filecoin green funding the commons Best use Co2.Storage (Win second place)**
Building the green energy platform, that implement ReFi Dapp through Co2.Storage and Hypercerts
- **2023 Taipei Blockchain Week BNBChain (Win a prize pool)**
Building the live streaming donation platform, that implement GameFi Dapp through ERC-1155, Chrome extension, React.js
- 2023 Telegram Ton blockchain (Final list at Demo day)