

LaiHung(Jake) Kuo

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Education

National Kaohsiung University of Science and Technology

9/2022 - 1/2024

Master degree, Department of Computer and Communication Engineering

- Coursework: Software Development (C/C++), Computer 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), Computer network
- In Taiwan University's Financial Technology Research Community, I serve as a frontend engineer in the blockchain department.

Skills

- **Frontend Basic** : Html5 | CSS3 | RWD | JavaScript(ES6+) | TypeScript | JQuery/Ajax
- **Styling** : TailwindCss | Bootstrap
- **Frontend Frameworks** : React 18+ & hooks | Next.js | Redux
- **Backend Frameworks** : Node.js 16+ | ASP.NET 7+
- **API** : SwaggerAPI | JWT | Oauth 2.0
- **Building tools** : Webpack | Npm & Yarn & Pnpm | Eslint | Turbo repo
- **Dev skills** : Linux Shell Script | Git Version Control | Docker
- **SQL** : SQL Server | MySQL | OracleDB (Transaction/View...etc)
- **Cloud Service** : Cloudflare pages/worker/serverless | AWS Amplify | Azure App service

Work experience

Cathay Financial Holdings

7/2023 - 2/2024

Blockchain engineer Intern

- Supporting the financial blockchain application and developer tool development using Solidity proxy contract, go-quorum api, React.js (ink app).
- Research blockchain technology as sharing content in learning session, including Stacks/Celestia workshop, blockchain for beginner.
- Attend the web3 hackathon events.

Web3 hackathon events

- **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 BNBCChain (Win a prize pool)**
Building the live streaming donation platform, that implement GameFi Dapp trough ERC-1155, Chrome extension, React.js
- 2023 Telegram Ton blockchain (Final list at Demo day)

Select Projects

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

- The project is open source npm package at cathay fancial holgings.
- 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.

FullStack Template (Turbo repo, Next.js, Cloudflare serverless hono framework, Hardhat)

- Building the hackathon template for the team
- Supporting EVM chain, Next.js framework, smart contract development environment