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Summary

• Employment:

Deeply engaged in the development of smart card products and applications for more than 20 years. As a technical expert in the smart card area, I am proficient in various smart card technical specifications and implementations in multiple industries, including financial payment, telecommunication identification, public transportation, online banking, social security, and so on.

In recent years, my personal interest has shifted to the field of blockchain and cryptocurrency. Through a few projects, I have already made many in-depth attempts in this area, and I am willing to keep on being involved in blockchain projects with original, creative, practical conceptions and visions.

• **Education:** 1985.8 – 1989.7 Peking University, Department of Technical Physics B.S.

Skills

✓ Solidity	✓ Web3.0	✓ React
✓ Go	✓ TypeScript	✓ Python
✓ Defi	✓ DEX	✓ NFT
✓ Cryptocurrency	✓ ZK Proof	✓ GRT
✓ BTC	✓ ETH	✓ NFC
✓ PBOC 2.0/3.0	✓ Visa VSDC	✓ MasterCard M/Chip
✓ EMV	✓ Global Platform	✓ Java Card

Work Experience

2021.03 – 2022.05: **FeSwap Decentralized Exchange** **Founder**

Job descriptions:

FeSwap is a decentralized cryptocurrency exchange that does not charge any transaction fees at all. Its original internal automatic arbitrage mechanism can create competitive market-making returns for liquidity providers. As the founder of the project, I completed almost all the technical development tasks and successfully launched the DEX on the ETH and Polygon mainnets.

Dapp link: <https://app.feswap.io>
Project web: <https://www.feswap.io>
GitHub repo: <https://github.com/feswap>

2021.03 – 2021.09	<ul style="list-style-type: none"> • Developed FeSwap token exchange smart contracts, including token pair smart contract, token pair factory, and trading router smart contract. • Developed FeSwap governance-related smart contracts, including governance token smart contract, token pair NFT bidding smart contract, liquidity token mining smart contract, time lock smart contract, governance voting smart contract, etc. • Developed FeSwap token exchange Dapp. • Completed project website development, and project technical document writing. • Launched FeSwap Dapp on ETH mainnet.
2021.09 – 2021.12	<ul style="list-style-type: none"> • Optimized the project smart contracts to save gas fees. • Upgraded FeSwap Dapp to support some EVM compliant blockchains, including Polygon, BSC, AVAX, Fantom, Harmony, etc. • Launched FeSwap on Polygon mainnet. • Completed the airdrop function development and executed the airdrop.
2022.01 – 2022.05	<ul style="list-style-type: none"> • Developed crypto-asset automated arbitrage trading algorithm. • Deployed and run automated arbitrage smart contract on Polygon. • Cryptocurrency quantitative trading.

2007.11 – 2021.03: Hengbao Co., Ltd Technical expert, R&D Manager

Job descriptions:

Worked with the R&D team to develop the China PBOC banking card, international Visa VSDC, MasterCard M/Chip banking card, telecom 3G/4G/5G SIM/USIM/ISIM card, online banking USB key, cryptocurrency hardware wallet, and China CDBC e-CNY hardware wallet, and so on. Kept developing and delivering new products for the company to grow the business for more than 10 years.

2019.05 – 2021.03	<ul style="list-style-type: none"> • Developed KeyFort cryptocurrency hardware wallet series, with fingerprint authentication and BLE encryption communication onboard, compliant with BIP32/BIP39/BIP44 specifications, and supporting multiple crypto assets, including BTC/ETH/LTC/XRP/ADA/XMR and etc. • Developed China CDBC e-CNY hardware wallet, including fingerprint smart card, and special-shaped security elements.
2015.03 – 2019.05	<ul style="list-style-type: none"> • Developed telecom 5G USIM card series. • Developed mobile POS product series. • Developed BLE smart card and screen smart card. • Developed fingerprint smart card.
2009.11 – 2015.03	<ul style="list-style-type: none"> • Developed banking card operation system (COS). • Delivered COS porting and mask on various chip series, including NXP, Infineon, Samsung, ST, etc. • Developed banking card products based on Chinese local chips, including THD89 and CIU98 series. • Developed Visa VSDC and MasterCard M/Chip international banking card products. • Products passed the security authentication by international security labs.

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| 2007.11 – 2009.11 | <ul style="list-style-type: none">• Developed telecom Java Card operating system.• Developed China Unicom 3G SIM card and the STK applications. |
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2000.07 – 2007.11:	Gemplus/Gemalto, China	Technical expert, team leader
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Job descriptions:

- Developed PBOC ED/EP smart card product series.
 - Developed China social security smart card products.
 - Completed SIM card operating system porting to various chips.
 - Developed SIM card STK applications for worldwide telecom providers.
 - Developed ICBC online banking USB key.
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1999.05 – 2000.07:	Hua-Xu Gold Card Co., Ltd	Engineer
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Job descriptions:

- Developed contactless smart card readers.
 - Developed SINOPEC petrol smart card operating system.
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1995.10 – 1999.05:	Anhui Hui-Ning Co., Ltd	Technical Leader
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Job descriptions:

- Developed hotel smart card room lock series.
 - Developed hotel access control management system.
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1994.08 – 1995.10:	Beijing Hua-Hai New-Tech Union Co., Ltd	Engineer
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Job descriptions:

- Developed magnetic card access control products.
 - Developed wireless modem.
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1989.08 – 1994.08:	China Institute of Atomic Energy	Assistant Researcher
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Job descriptions:

- Participated in experimental nuclear physics research.