葉家郡

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Taiwan

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Hands-on experience in Kubernetes, docker, Google Cloud Platform. Familiar with Linux system. Strong problem solving skills. Focus on high-availability, high-concurrency distributed system.

Working Experience

Jun 2018-May 2019 **COBINHOOD, Ltd.** *Software Engineer - Backend*

Develop cryptocurrency exchange features.

- Lead exchange team.
- Refined cache strategy that reduces updating latency to nanosecond.
- Designed and implemented the following components in exchange:
  - licensing authentication mechanism.
  - CMT Points to CMT coin estimating/distributing.
- Integrated blockchains (Monero, Tezos) into exchange.
- Improved unit test with database/cache isolation to run concurrently.
- Designed notification and event tracking mechanism.

Jun 2017-Jun 2018 **Taipei Exchange** *Software Engineer*

Core systems development and maintenance.

- Developed new message dispatch gateway and conducted secure file transfer method to replace plain design for Web client.
- Researched distributed system and consensus algorithm, proposed next generation online transaction processing system design based on application-level approach.
- Optimized continuous data streaming system to 110 times faster and solved several race condition bugs,also developed a cross-platform new one by event-driven design with backward compatible.

Education

2015-2017 **MSc, Institute of Computer Science and Engineering** National Chiao Tung University

Thesis title: MCTS-based Path Exploration for Symbolic Execution

2011-2015 **BSc, Computer Science** National Taichung University of Education

Skills

Programming Languages

- **Proficient:** C/C++, Golang, Bash Shell Script
- **Intermediate:** PHP (Laravel), C#

- git, vim, GCP, docker, Kubernetes