

HU ZIMING

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SUMMARY

Join *Dumplings Tech* as quantitative trading strategy engineer, focusing on architect and develop quantitative trading system for cryptocurrencies.

Was working in *Dumplings Tech Derivatives China* as engineer to build trading system.

Before joining *Derivatives China*, Was working in *Favorite Medium* as principal software engineer. Main tasks are creating web services with appropriate software stack and taking leading engineering work for long-running client projects.

And was working on IBM HPC scheduler software *LoadLeveler* before working with *Favorite Medium*, which have 4 years experience on Linux development with C++.

Having been using and maintaining Linux system for more than 10 years; Develop with Golang, Rust, Python, C/C++, Ruby, Nodejs, and skillful in Unix utilities such as sed. Experienced on building high scalability web services with MongoDB, Redis and Docker, experienced on data grabbing and analysis with pandas. Great studying ability on new technologies.

PATENT

Published patent ***SCHEDULING JOBS IN A CLUSTER*** while working at IBM, publication number is **US 2010/0223618 A1**

CURRENT OCCUPATION

Dumplings Tech

Nov 2020 - Nov 2022

Trading Strategy Engineer

- Architect and implement quantitative trading platform for both cefi and defi market
- Implement quantitative trading strategy for cryptocurrencies
- Design data structure and flow between various components
- Architect and implement internal datahub service

PAST PROJECTS AND EXPERIENCE

Cryptocurrencies Trading Platform

Nov 2020 - Now

Architect and Developer

Dumplings Tech

- Architect and implement position manager system for all trading accounts
- Rewrite market data service for better performance
- Architect and implement trading capture system
- Architect and implement position management system
- Architect datahub for internal usage
- Implement order management system

Substrate Based Decentralized Proxy

Feb 2021 - Now

Architect and Developer

Self Learning

- Clarify requirements and architect tech detail
- Architect and implement gateway services for traffic proxying
- Save audit data on chain with smart contracts
- Implement service provider marketplace to extended usage scenarios

Uniswap Trading Interface

Architect and Developer

Apr 2021 - Jun 2021

Dumplings Tech

- Architect and implement uniswap interface for existing strategies
- Invoke uniswap and token contract via golang and geth package
- Implement TWAP strategy within the for algorithm trading
- Extend the app to pancake and sushi market

LoadLeveler

Staff Software Developer (From Jun 2011)

Apr 2008 - Apr 2012

IBM

Being responsible for development and design for LoadLeveler product. LoadLeveler is a scheduler for high performance computation. The application is written by C++ and running on Linux/AIX, it provides ability to manage and schedule tasks in big clusters, such as Blue Gene. I have accomplished those features during my work:

- Configuration enhancement: convert file based configuration to database, to make it available in big cluster.
- IPv6 support: replace system calls to IPv6 compatible, and update internal data structure to support IPv6 data.
- Task migration: enable task migration between different nodes or sub-clusters on Linux platform by cgroup.
- Modify resource usage without stopping task: provides function to change resource needed by task on-the-fly to improve the cluster resource usage.

Besides development, I was also respond to system administrator for development cluster environment.

EDUCATION

Online Education

- Mining Massive Datasets (Coursera), SoA with **Distinction**.

Beijing University of Posts and Telecommunications

M.S., Signal and Information Processing

Sep 2005 - Apr 2008

Beijing University of Posts and Telecommunications

B.S., Information Engineering

Sep 2001 - Jun 2005