

Raiven Kao

1997-07-13

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Work Experience

Apr. 2020-Present **Stranity Technology Co., Ltd.** *Senior Software Engineer*

Golang/Postgresql/Redis/Influxdb/Docker/Kubernetes

- Designed and built an automated checkout billing module system using clean arch, enhancing the checkout flow performance by 2 weeks per month.
- Collaborated with CTO to develop an open-source **Golang** Monorepo, implementing DevOps practices.
- Independently authored **Helm** Charts and managed dozens of microservices deployed across multiple platforms.
- Implemented OLAP by organizing seven tables using **PostgreSQL** materialized views, reduced computational load (3GB per pod) and code complexity (more than 4000 lines) for API service.
- Optimized and made the CI pipeline parallel, reducing deploy time by 70%.
- Designed and implemented CRM cluster with customizable and rapid deployment using **gomplate**.
- Developed full-stack broadcasting system (**grpc**, **websocket**, **Fyne**) to enhance system security, minimize network bandwidth usage, and support AI team.
- Migrated **InfluxDB** major version, resulting in a 50% reduction in memory usage.

Jan. 2019-Feb. 2020 **StarLord Technology Co Ltd.** *Software Engineer*

PHP/Python3/Mysql/Vuepress

- Developed **PHP** game server backend and refactored code to eliminate circular references among objects.
- Established product packaging environment, developing semi-automated scripts for streamlined publishing, including build processes and generating release notes..
- Set up a KMS powered by **Vuepress** that allows backend developers to focus on document creation without concerning about formatting.
- Conducted end-to-end testing by using **Python3** on backends by simulating user flows, planned modularization and packaging processes, making it ready to use out of the box.

Side Project

[instagramrobot](#)

Developed a **Telegram** bot that forwards Instagram media to chatrooms.

[pico-bme280](#)

A temperature and humidity exporter based on **TinyGo**.

Education

2015-2019

BIM, Bachelor of Information Management

National Taipei University of Business