Raiven Kao

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Work Experience

Jul. 2023-Recent	**KryptoGO, Inc.** *Backend Engineer*

Golang/Postgresql/MySQL/Redis/GCP/Docker/Kubernetes

- Refactored legacy systems using Golang, increasing test coverage to over 80%.
- Improved system observability by 50% with structured logging and OpenTelemetry.
- Led design and implementation of enterprise-level virtual currency fund pool system.
- Integrated Grafana for data visualization, reducing front-end development time by 80% and setup costs by 90%.
- Assumed Backend Team Lead role, responsible for requirement analysis, task breakdown, and allocation. Drove key projects including enterprise fund pool and user onboarding systems, demonstrating strong project management and team collaboration skills.
- Optimized local development setup, reducing environment setup time from minutes to 30 seconds.
- Deployed real-time service health monitoring system to enhance uptime.
- Conducted over 20 bi-weekly backend technology sharing sessions, fostering continuous learning.

Apr. 2020-May. 2023	**Stranity Technology Co,. Ltd.** *Senior Software Engineer*

Golang/Postgresql/Redis/Influxdb/Docker/Kubernetes

- Designed automated checkout system using Clean Architecture, saving 2 weeks monthly.
- 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.
- Optimized OLAP with PostgreSQL materialized views, significantly reducing API service load.
- Parallelized CI pipeline, cutting deployment time by 70%.
- Implemented flexible CRM cluster using gomplate for rapid, customizable deployment.
- Developed full-stack broadcasting system (gRPC, WebSocket, Fyne) to enhance security and efficiency.
- Migrated InfluxDB major version, resulting in 50% reduction in memory usage.

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

PHP/Python3/Mysql/Vuepress

Side Project

instagramrobot	Telegram bot for Instagram media forwarding.
pico-bme280	TinyGo-based temperature and humidity exporter.
cerberus	Slack chatbot for boosting company morale.
bookly	Full-stack personal accounting software using Golang and HTMX.
homelab	A collection of docker-compose files or helm charts for homelab.

Education

2015-2019	**BIM, Bachelor of Information Management** National Taipei University of Business