Chih-Hsuan Yang

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PROJECTS

My Cloud

- A cloud with CI/CD can fully replace Google.
- Load balancing and clustering in **5 machines**.

My Library

- A content searchable distributed academic library.
- Different categories can be stored in distributed machines and highly scalable.

The Container Security in Healthcare Data Exchange System

- Bachelor's degree graduation project [GitHub Repositroy]
- Generating **whitelist** of used system calls in build time. Enforce it in deploying and running.
- Trying to use LSTM to detect malicious processes in **(e)BPF** in **kernel**.

High Scalability Wireguard VPN Server

- Can afford **5000** students VPN usage concurrently.
- It just needs **NT$ 180** dollars to scale up for **1000 more users**.
- Totally cost almost **NT$ 1000** dollars in this project.

Information Security Club Backend

- A backend writen in Golang, mongoDB, Docker and hosted in Git.

Operating System Tutorial

- An operating system tutorial and write-up to helps juniors to learn operating system course. [Link]

The Linux Kernel Module Programming Guide

- **Contributor** of The Linux Kernel Module Programming Guide 5.x. [Link]
- Have **3.7k** stars in GitHub repository.

SKILLS

Languages : Chinese(native), English, Taiwanese
Programming : Modern C++(17), Shell script(Linux), Python, Golang
Skill : Linux(server), Docker, Git, Nginx, mongoDB
Document : LaTeX, Markdown