
蔡家豪 (CHIA-HAO TSAI)

+886-932-535-052 github.com/cmj0121 cmj@cmj.tw

SUMMARY

Experienced backend and system design professional with experience in designing, implementing, refactoring, and maintaining complex software systems and expertise in security, auto-testing, and DevOps.

TECHNICAL SKILLS

- ❖ **Backend:** Python, Go, C, Rust
- ❖ **Cloud:** AWS, GCP
- ❖ **Services:** Linux, Kubernetes, SQL, Redis, Samba
- ❖ Security, Bounty, Crawler, Automation, Porting, and others

ACKNOWLEDGMENT

- [txOne - SQL Injection](#)
- [Synology SA-21:25 \(injection\)](#)

EXPERIENCE

- XRSPEACE. DEVOPS, PLATFORM DEVELOPMENT. – 2023/08 ~ NOW**
- Help to re-design and re-implement the overall CICD flow.
- GOFREIGHT BACKEND ENGINEER – 2021/10 ~ 2023/05**
- refactor the legacy code to make the codebase more reliable and robust.
 - migrated legacy environment to EKS and reduced costs by 2/3.
 - solved crawler bot-detection issues and reduced proxy usage.
- TREND MICRO. STAFF BACKEND ENGINEER – 2021/05 - 2021/10**
- implemented internal auditing (ISO) management system, integrated with other systems, and interacted with RD to record and audit company-wide projects.
- TEACHES SENIOR BACKEND ENGINEER – 2020/02 – 2020/12**
- set up backend architecture, cloud-based environment, code pipeline, and testing flow.
 - integrate with 3rd-party APIs.
 - both be the only member backend and DevOps as a backend team in the last 5 months.
- MACHIX / MITHRIL SENIOR WEB BACKEND ENGINEER – 2018/07 – 2019/12**
- designed backend RESTful API, currency exchange flow, and exchange-rate crawler.
 - integrated with 3rd-party cash-flow API and implemented currency airdrop flow.
- SYNOLOGY SENIOR SOFTWARE ENGINEER/SENIOR SECURITY ANALYST – 2012/08 – 2018/07**
- Samba porting, performance tuning, and integrating into the cross-platform systems.
 - Resolved over 2400 tickets and improved performance by 70 times in special scenarios.
 - designed a behavior-based testing tool for the QA team.
 - reviewed and rewrote two non-usable projects and released them after half-year.
 - hold bounty program and internal security training.