

CHIEH-MIN WANG

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fatminmin.com ◇ github.com/chiehmin ◇ gitlab.com/chiehmin18

WORK EXPERIENCE

Synology

Senior Product Developer

Product Developer

Taipei, Taiwan

Jan 2020 - present

Oct 2016 - Jan 2020

- Improved the services' availability, maintainability and observability by refactoring the infrastructures using container orchestration framework (k8s), IaC (Ansible and k8s) and several monitoring tools (Elastic stack, Prometheus...etc).
- Reduced the web request p99 latency of services running in a virtualized environment from 40s to 1s by adjusting the overcommitted cpu and memory resources to a better allocation to reduce the VM memory page fault rate and CPU steal time. Improve the performance of service background workers by successfully scaling the workers to fully utilize the available CPU resources on the system.
- Ensured the GDPR compliance of collected data by designing and implementing a data pipeline to make sure the data content align with the pre-defined schema. Improved the the data ingesting performance by identifying the bottlenecks and separating the stateless part and stateful part to scale-out the services.
- Achieved 1,000 connection per second and 200,000 concurrent connections for the in-house traffic monitoring and deep packet inspection solution on the router platform with limited hardware resources by leveraging the Linux netfilter to design a flexible offloading framework.

Skills: C/C++, Linux, Networking, Kubernetes, Cloud Development

EDUCATION

National Yang Ming Chiao Tung University

Master in Computer Science - Score: 97.0 out of 100

Bachelor in Computer Science - Score: 90.49 out of 100

Hsinchu, Taiwan

August 2014 - July 2016

August 2010 - July 2014

PROJECTS

Contributions to the OSS communities

fatminmin.com/pages/about.html#oss

GitLab ([A GitLab hero](#)), Linux, nDPI, Prometheus, SynoCommunity

MinMinGuard

fatminmin.com/pages/minminguard.html

MinMinGuard is a popular Xposed module that removes ads from Android applications using several API hooking methods to remove both ads and black space caused by those ads which is more effective than any other ad-removing solutions in the market.

HONORS & AWARDS

- Member of the Phi Tau Phi Scholastic Honor Society of the Republic of China
- 2013 CADathlon - 2nd Place / CAD Contest Problem B - 3rd Place
- 2010 ACM ICPC Kaohsiung Regional - 7th Place / Tokyo Regional - 12th Place
- 2010 National Collegiate Programming Contest - 3rd Prize