WenChih **Lo**

SOFTWARE ENGINEER

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Summary

Current software engineer at Chunghwa Telecom and committer at Apache Software Foundation. Have 3+ years experience specializing in web development and open-source technology. I love learning something new and keen on contributing to open-source softwares. Interested in Big Data, Distributed Systems, Machine Learning and MLOps. Right now, I am learning about Java, Go, docker, Kubernetes ecosystem and ML systems.

Education

National Cheng Kung University *Tainan, Taiwan*

M.S. IN COMPUTER SCIENCE AND INFORMATION ENGINEERING *Sept. 2019 - Aug. 2021*

• Distributed System Lab, Thesis advisor: Prof. Hung-Chang Hsiao, GPA: 3.88/4.0

Tamkang University *New Taipei, Taiwan*

B.S. IN COMPUTER SCIENCE AND INFORMATION ENGINEERING *Sept. 2012 - Jun. 2016*

• Senior project: A trip planning APP, Advisor: Prof. Chien-Chang Chen

Skills

DevOps	Github, Docker, Kubernetes, Helm, Argo, Vagrant, Ansible
Back-end	Jersery, MyBatis, Spring boot, RESTful API, RDBMS
Front-end	HTML5, jQuery, AJAX, Bootstrap
Programming	JAVA, Go, SQL, JavaScript, PHP

Experience

Chunghwa Telecom Co., Ltd. *Taipei, Taiwan*

SOFTWARE ENGINEER *Sept. 2021 - Present*

• Designing RESTful APIs integrated with Google APIs in Go for reselling Google Workspace.
• Developing a web application(CMS) using Java.
• Working on introducing IT automation tool like Ansible to reduce repetitive tasks for operators.

Apache Software Foundation, Submarine *Taipei, Taiwan*

COMMITTER *Oct. 2020 - Present*

• Enabled Submarine to run distributed MXNet jobs on Hadoop YARN via an open-source project called TonY.
• Integrated Jupyter notebook into Submarine on K8s and enabled users to manage their own notebook instances via RESTful APIs.
• Deployed Traefik ingress controller on K8s cluster to manage external access to the services in Submarine.
• Analyzed the demand of data scientists on Machine Learning pipelines.

Shop123 Network Technology Inc. *Taipei, Taiwan*

SOFTWARE ENGINEER *Jun. 2018 - Oct. 2018*

• Developed an online store platform using PHP MVC framework (Yii), Vanilla JS, jQuery and Bootstrap.
• Implemented factory method pattern for creating widgets which rendering inconcrete view objects.
• Designed database schema (MariaDB) and RESTful APIs.

SunFun Info Co., Ltd. *Taipei, Taiwan*

WEB DEVELOPER *Jul. 2016 - May. 2018*

• Developed a matchmaking web application using PHP, Vanilla JS, jQuery and Bootstrap.
• Integrated E.SUN BANK cash management service (e-Collection) to receive payments.
• Integrated Google Calendar, URL shorten API and Facebook Graph API for activity sign-up and member registration.
• Migrated codebase from Yii PHP framework to pure PHP.
• Migrated data from PostgreSQL to MySQL.

Presentation

DevFest Seoul by Google Developer Group Korea *Seoul, S.Korea*

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE> *Nov. 2017*

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.

6th CodeEngn (Reverse Engineering Conference) *Seoul, S.Korea*

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS> *Jul. 2012*

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

6th Hacking Camp - S.Korea *S.Korea*

PRESENTER FOR <METASPLOIT 101> *Sep. 2012*

- Introduced basic procedure for penetration testing and how to use Metasploit