

# 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 (Spring), Go, docker, Kubernetes ecosystem and ML systems.

## Education

### National Cheng Kung University

M.S. IN COMPUTER SCIENCE AND INFORMATION ENGINEERING

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

Tainan, Taiwan

Sept. 2019 - Aug. 2021

### Tamkang University

B.S. IN COMPUTER SCIENCE AND INFORMATION ENGINEERING

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

New Taipei, Taiwan

Sept. 2012 - Jun. 2016

## 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.

SOFTWARE ENGINEER

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

Taipei, Taiwan

Sept. 2021 - Present

### Apache Software Foundation, Submarine

COMMITTER

- 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.

Taipei, Taiwan

Oct. 2020 - Present

### Shop123 Network Technology Inc.

SOFTWARE ENGINEER

- 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.

Taipei, Taiwan

Jun. 2018 - Oct. 2018

### SunFun Info Co., Ltd.

WEB DEVELOPER

- 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.

Taipei, Taiwan

Jul. 2016 - May. 2018

## Presentation

### Conference for Open Source Coders, Users and Promoters, COSCUP

PRESENTER FOR <INTRODUCTION TO APACHE SUBMARINE>

- Introduced to MLOps and the difference between DevOps.
- Introduced to Apache Submarine which is a cloud-native ML platform makes data scientists focus on models and run ML workloads easily in distributed environment.

Online

Aug. 2021