Wei-Yu "Will" Liao

(886)972-221-345

wyliao76@gmail.com

https://www.linkedin.com/in/wei-yu-will-liao-a32353141/

https://github.com/wyliao76

https://fortunedgalab.xyz/httptest

SKILLS

- JavaScript, Python, Java, C/C++
- Express.js, Flask, FastAPI, React.js, Linux, MacOS, FreeBSD
- Git, CI/CD pipeline, Github Actions, TDD, Microservice Architecture
- MySQL, PostgreSQL, MSSQL, MongoDB, Redis, Elasticsearch
- AWS & CDK, Lambda, ECS, RDS, ETL pipeline and Airflow
- Docker, RabbitMQ, Authentication/Authorization
- Multi-threading, Multi-processing, I/O multiplexing
- TCP, UDP, text / binary protocol, POSIX API, Socket, IPC
- LLM integration, NLP to SQL, Prompt engineering
- Fluent in English and native Mandarin speaker

WORK EXPERIENCE

Data Engineer Hewlett-Packard Inc, HPI   July 2022 - Feb 2024

- Built ETL data pipeline and data lake via AWS Lambda and Step function
- Built a preview backend server via Python FastAPI for Amundsen.io preview
- Migrated data pipelines from Airflow DAGs to Step function data pipeline

Senior Software Developer Hewlett-Packard Inc,HPI   June 2020 - June 2022

- Saved a failed project and turned it into a successful one (version 2.0)
- Organized a team of 4 to 6, interviewed and trained team members
- Devised a realistic plan and executed it successfully for the 2.0 version in 9 months
- Assisted frontend developers with React.js

Software Developer - Node.js Nextlink Technology   June 2019 - June 2020

- Built all backend APIs using Lambda, AWS API Gateway, and Claudia
- Increased the efficiency of the PDF generation feature by more than 50 times

Node.js Engineer Batmobile   Dec 2018 - June 2019

- Handled a social media platform with 450,000 users
- Used microservices to stabilize critical features

PROJECTS

Chat Project Data communication option, CST

- Program a server and server starter in C with finite state machine and binary protocol

Adv. HTTP server Data communication option, CST

- Event loop. Monitor, workers architecture, Dynamic library loading
- network sockets, TCP, HTTP 1.0 with GET, HEAD, POST

CERTIFICATES

- Professional Scrum Master I | Scrum.org   2022

EDUCATION

Computer Systems Technology | BCIT   Sep 2023 - May 2025

Associate in Science | Shoreline Community College   Graduated in 2017

B.Sc. in Chemistry | Fu-Jen University   Graduated in 2012