

MOK TOK MAN

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PROFESSIONAL SUMMARY

I am a new grad international student from Hong Kong and graduated at CGU in the CSIE department. I am also a passionate tech learner and programmer. During my college, **I learned a lot of tech skills through online courses such as web development, game development, machine learning and so on.** In my learning journey, I discovered that I am particularly skilled and interested in backend development. Therefore, I decided to focus on this field.

Due to my interest, I have built up a lot of interesting project in my spare time. And **these project experiences have helped me achieve a great result and awards for my final year project.**

SKILLS

TECH: C | C++ | JavaScript | Python | Swift | React | Swift UI | Node | Gin | Go-Zero | Express | MySQL | MongoDB | PostgreSQL

TOOL: Docker | AWS | CI/CD | Unit Testing | Github | Heroku

LANGUAGE: English(TOEIC 660 / 990), Chinese(Native)

EDUCATION

CHANG GUNG UNIVERSITY

Bachelor of computer science and information engineering

Taiwan

Sep 2018 – Aug 2022

- the 16th CSIE Final Year Project - Best implementation award
- the 16th CSIE Final Year Project - Jury honor award
- the 16th CSIE Final Year Project - third place(3rd)

PROJECT

MOVIE SOCIAL APP - IOS.

Jun 22 - Present

The main purpose of building this app is to provide all OTT resources (Netflix, Disney+) which are available in the network, and solve the time consuming problem on searching those resources. In addition, the app also provide a social feature allowing user to share anything about movie such as comment, chat with others, post a movie article and so on.

- Implemented and designed entire App independently, And **using separation of front-end and back-end.**
- Built IOS App using SwiftUI and **improved the user experience by optimizing UI interaction.**
- In order to increase iteration speed, refactored the backend APIs from Vapor3 to Go-Zero. And **improved the development efficiency by approximately double.**
- **Using TMDB APIs and a web scraper that implemented with Go-Routine** for providing more data information to integrate into the App.
- To adapt to different environments, **using Docker as container.**
- In order to **increase the development efficiency**, using **Github Action as CI/CD tool** and connected it to AWS CodeDeploy for deploying the web server to an AWS EC2 instance.
- Implemented and designed a real-time communication system using **Websocket and Go-routine.** And designed a Client Health check system **for improving the performance of the server and availability of the connection.**
- In order to **improve APIs reliability and security**, applied **HTTP testing** to APIs by using Postman HTTP Test Tool.

SHORTEST URL SERVICE

Mar 22 - Apr 22

An implementation of a simple shortest URL service that allow user to upload a longer URL and retrieve a shortest URL. User can direct to the original URL by the shortest URL within the expiration time.

- Designed front-end page with React and Back-end API using Gin-Gonic and MySQL.
- Implemented and designed a **Base62 algorithm by unix time stamp to generate a unique URL.**
- To improve the performance of the server, using a **rate limiter middleware to guarantee service QPS.**
- In order to deploy easily, using **docker as container and deploy the application with AWS EC2.**
- In order to **improve APIs reliability and security**, applying HTTP Testing to APIs.

ADDITIONAL INFORMATION

- 2018 CGU CSIE's class president
- 2019 CGU CSIE's vice class president
- 2019 - 2020 CGU CSIE Student Association's Activity Officer
- 2020 - 2021 CGU Hip-pop Social Club's Activity Officer
- 2020 - 2021 Google Student Developer Club's member
- Finalist in 26th International ICT Innovation Service Contest 2021