

# MOK TOK MAN

(+886) 0976-584-327 | [moktokman.job@gmail.com](mailto:moktokman.job@gmail.com) | [Github](#) | [LinkedIn](#) | [Website](#)

## EDUCATION

### CHANG GUNG UNIVERSITY

Taiwan

Bachelor of engineering in computer science and information engineering

Sep 18 - Oct 22

- 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)

## TECHNICAL SKILLS

- **Programming:** C | C++ | JavaScript | Python | Swift | Golang
- **Framework:** React | Swift UI | Node | Gin | Go-Zero | Express | MySQL | MongoDB | PostgreSQL
- **Tool:** Docker | AWS | CI/CD | Unit Testing | Github | Heroku

## PROJECT EXPERIENCE

[Movie Social App - IOS](#) (Golang, Go-Zero, MySQL, GORM, Docker, SwiftUI, Swagger API, AWS)

Jun 22 – Present

The main purpose of building this app is to provide some OTT resources (such as Netflix, Disney+, etc...) to solve the problem of searching available resources.

- Implemented and designed entire App independently, And **using the separation of front-end and back-end platform**.
- In order to provide a better user interaction experience, researched on different OTT platforms, **re-designed and re-built whole application using SwiftUI Framework to optimize user interaction**.
- In order to increase iteration speed, **refactored the backend APIs from Vapor3 to Go-Zero**. And improved the **development efficiency by approximately double**.
- Provided a fully-resourced application by **integrating the 3<sup>rd</sup> movie database TMDb and using Web Crawling Tech**.
- Implemented **Real-time Communication using Websocket and Goroutine**, providing a faster and efficient communication between the server and client.
- To improve reliability of the APIs, **made a mock test to APIs using GoMock**, and achieving test coverage of over 75%
- **Made a sql mock test using SqlMock** to improve data accuracy.
- Implemented automation using **Github Action as CI/CD platform**, running self-defined workflow for building and testing, and **deploying the application to AWS EC2 instance using the AWS CodeDeploy tool**.
- To adapt to different environments, used **Docker as container**.
- Created a Kubernetes cluster with up to 5 node on AWS Cloud Service for testing.

[Shortest URL Service](#) (Golang, Gin-Gonic, MySQL, GORM, Docker, Swagger API AWS EC2)

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 APIs 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**.

## EXTRACURRICULAR EXPERIENCE

- 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

## OTHER SKILLS AND INTERESTS

**Languages:** English(TOEIC 660 / 990), Chinese(Native)

**Interests:** Sport, Programming, Design