MOK TOK MAN (Jackson)

(+852) 9521 6582 | moktokman.job@gmail.com | Github | LinkedIn| Website

EDUCATION

CHANG GUNG UNIVERSITY   **Taiwan**
Bachelor of engineering in computer science and information engineering   Sep 18-18- Aug 22
Award : *The 16th CSIE's FYP - **Best implementation award** | **Jury honor award | Third Place (3rd)***

WORKING EXPERIENCE

Blockchains solutions Limited   Hong Kong
FullStack engineer, Software Engineer (*Flutter, NodeJs, NextJs, Springboot,Mysql*)   May 23 – Apr 24
- Collaborated with team members to refactor legacy code, improving maintainability and reducing technical debt.
- Implemented a new solution with a notification system through Server-Sent Events transmission and re-transmission strategy, **reducing request times by 91%**
- Optimized **system performance from 9 seconds to 1 second** through code analysis, **achieving an 88% reduction** in response time.

PROJECT EXPERIENCE

Chat App (*Golang, MySQL, gRPC, Redis, Docker, SwiftUI, Websocket, WebRTC, ProtoBuffer, Nginx*)   Feb 23 – Aug 24
This is a chat app with single and multiple chatting communication(Text/Audio/Video) and other extra chatting features.
- Implemented a microservices architecture to improve server scalability, flexibility and maintainability
- Designed and implemented a real-time communication system using Websocket and WebRTC to facilitate instant messaging and notifications.
- Implemented a heartbeat mechanism to maintain user connection status, effectively managing memory usage and preventing resource leaks
- Integrated acknowledgment mechanisms and message retransmission protocols to ensure reliable communication in a real-time system.
- Containerized each service and component using Docker, enabling consistent environments across development, testing, and production

Movie Social App (*Golang, MySQL, Docker,SwiftUI, Swagger API ,AWS, Kubernetes*)   Jun 22 – Dec 22
- Conducted API mock testing with GoMock, achieving **over 75% test coverage to enhance API reliability**
- Utilized **GitHub Actions as a CI/CD platform**, automating custom workflows for building and testing
- Created a Kubernetes cluster with up to 5 nodes on AWS Cloud Service

TECHNICAL SKILLS

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

EXTRACURRICULAR EXPERIENCE

- 2018 CGU CSIE's class president
- 2019 CGU CSIE's vice class president
- 2019 - 2020 CGU CSIE Student Association's Activity Officer
- 2019 - 2020 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), Cantonese, Mandarin
Interests: Sport, Programming, Reading, Traveling, Blogger