

# KOAY KEI KAI

SOFTWARE ENGINEER

## PROFILE

Software engineer with 4+ years of experience in developing optimized Android apps, web-based solutions, and cloud-based IoT systems. Skilled in AWS services (Lambda, SQS, Docker, Elastic Beanstalk, CloudWatch, RDS) and integrating third-party services such as AFA, GHL, and multiple digital wallets. Skillfully traced and resolved software-related errors, reducing transaction failures caused by software issues by 99%.

## WORK EXPERIENCE

### Software Engineer

Technology Sdn. Bhd. 2020 - Current

#### Responsibilities & Duties

##### Development

- Develop modules or functions for the existing systems to provide additional functionality and improve the overall user experience.
- Fine-tune the existing systems to meet our clients' needs for the event purpose.

##### Debugging/Testing

- Conduct a testing on newly developed modules, including unit testing, and integration testing.
- Debug the client's machine on-site after receiving feedback of performance issues that suspected to be caused by our android application.

##### Support

- Query data from database and export it to my internal team or clients.
- Gather and understand client's requirement and provide my professional insight.
- Document our current IoT systems, including the tools and services we frequently use.

#### Contributions

- Designed and built an android sdk that integrated with GHL, a payment service provider, in order to provide cashless payment solution in our application.
- Designed and built an android sdk that handle the hardware communication with our android application.
- Designed and updated our android application to provide 'multi-cart' solution to our client.
- Captured and Fixed the serious bugs such as memory leak issue, suspicious script injected issue.
- Established AWS simple queue service and lambda functions to handle heavy traffic to our API server.

### Internship of Software Engineer

Technology Sdn. Bhd. 2020 Jun - Nov

- Reviewed the key points discussed during the hand-over session.
- Learned the high-level architecture of the entire IoT solution.
- Dived the code to understand the flow of the system.
- Developed a module to enable clients bulk import their data into the system.
- Debugged and fixed some minor bugs.

## CONTACT

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## TECHNICAL SKILLS

languages: **Javascript | Kotlin**

frameworks: **React.js | Node.js**

version control: **Git | Github**

cloud platform: **AWS | Google Cloud Platform**

others: **RESTful APIs**

## EDUCATION

Bachelor of Computer Science

Universiti Malaysia Terengganu

2017 - 2020

- CGPA: 3.7
- Related coursework: Java, OOP, Networking, Software Requirement Engineering

## LANGUAGES

English	Upper-Intermediate
Mandarin	Advance
Malay	Intermediate