

## Contact

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## Top Skills

SQL  
Red Hat Linux  
Solution Architecture

## Languages

Chinese (Simplified) (Limited Working)  
English (Limited Working)

## Certifications

AWS Certified Solutions Architect  
GRADUATE TECHNOLOGIST  
Associate Cloud Engineer

# Clement Ho

Software Engineer  
Kuching, Sarawak, Malaysia

## Summary

As a Software developer, I design and build robust solutions that power real-time monitoring and alerting systems. My expertise lies in crafting high-performance applications with a Python backend and a Vue.js frontend. Previously, I worked on building security and management systems using PHP, gaining valuable experience in system architecture and functionality. Lately, I've been expanding my skill set, diving into Kubernetes, C/C++, cloud architecture, DevOps, and automation to stay ahead in the ever-evolving tech landscape.

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## Experience

Ryobi-G  
Software Engineer  
May 2023 - Present (2 years 2 months)

### Projects:

1. TIMS - Tunnel Integrity Monitoring System
  - Django rest framework, Vue JS frontend, Azure platform hosting, PostgreSQL DB.
  - Web Application for DFOS monitoring and alerting.
  - Project scaffolding and CI/CD pipeline setup for SIT environment.
2. TEMS - Tunneling and Excavation Monitoring System
  - Application for instrumentation monitoring & alerting, excavation site activity tracking.
  - Golang WebAPI, Vue JS frontend, PostgreSQL DB, AWS platform hosting.
  - Centos to Redhat OS Migration.
  - System maintenance and support.
  - System enhancement and modification to cater new requirements.
3. Realtime-web
  - In-house web-based application for instrument's data visualization. Project to port existing client program to web-based solution.
  - Django backend, MySQL DB, GCP hosting.

- Core function development.
- Staging environment setup & CI/CD pipeline setup.

## Sarawak Information Sdn Bhd

### Software Engineer

March 2020 - April 2023 (3 years 2 months)

Kota Samarahan, Sarawak, Malaysia

#### Projects:

##### 1. BSMS v2- Building Security Management System

- Web-based building access control and attendance system.
- In-house PHP framework, MySQL DB, private cloud hosting.
- System support and maintenance
- System deployment and setup.

##### 2. BSMS v3 - Building Security Management System

- Revamp of BSMS v2.
- Codeigniter 3, MySQL DB, private cloud hosting.
- Core function development.

##### 3. USACS - Unified Security Access Control System

- Fork of BSMS v2 for Sarawak State Government.
- In-house PHP framework, MySQL DB, private cloud hosting.
- System support and maintenance.

##### 4. USACS 2.0 - Unified Security Access Control System 2.0

- Revamp of version 1.
- Codeigniter 4 framework, MySQL DB, private cloud hosting.
- Core function development.

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## Education

### University of Technology Sarawak

Bachelor of Computer Science In Software Engineering, Computer Software Engineering · (2015 - 2018)