

# Abdul Qawi Bin Kamran, Software Engineer

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## LINKS

[LinkedIn](#)  
[GitHub](#)

## PROFILE

Recent Computer Science graduate majoring in **Software Engineering** proficient in **mobile and web development**. Skilled in **data analytics and business intelligence**. Aspiring **speaker and debater**, bringing a unique blend of technical expertise and effective communication to contribute to innovative software projects.

## SKILL

Flutter	Firebase
Swift	Matter (CSA)
Git	Kotlin
React	NodeJS
Tailwind CSS	Obj-C

## EMPLOYMENT HISTORY

Mar 2023 - Nov 2023

### Software Engineer, AirdroiTech

Shah Alam, Selangor

- Led the end-to-end **mobile development process** for the AirTouch IR project, employing an **agile methodology with Scrum**. Conducted daily stand-up meetings for progress updates within the DevOps environment.
- Utilized Flutter** as the primary technology, **incorporating native code for iOS** functionalities such as Bluetooth and network configuration to enhance app performance and features.
- Took charge of task management by **creating and organizing tasks in Azure DevOps Sprintboard** to achieve assigned Product Backlog Items (PBIs).
- Managed the deployment of the application** to testers using TestFlight for iOS, ensuring a smooth testing process.
- Played a pivotal role in **setting up the CI/CD pipeline configuration** for mobile apps, enhancing development efficiency.
- Collaborated seamlessly with cross-functional teams**, including backend, hardware, and firmware teams. **Contributed to defining APIs** and ensuring seamless communication between devices and the mobile app based on predefined protocols.
- Spearheaded the creation of a **custom implementation of Matter (CSA) for iOS** using the Matter framework. **Collaborated with Matter (CSA) authors** on the implementation of the open-source project.

## PROJECTS

Mar 2023 - Nov 2023

### AirTouch IR, AirdroiTech

Shah Alam, Selangor

- Enabled user control of devices with IR signal receivers through the AirTouch IR project.
- Incorporated with **smart home technologies**, including Matter (CSA), MQTT, and **cloud functionality** using AWS IoT and various AWS services.
- Developed the mobile application using Flutter and wrote native iOS code in Swift for specific use cases requiring native access, such as network configuration.
- Implemented a custom library using the Matter (CSA) framework for iOS in Swift and Obj-C to enhance functionality and compatibility.

Apr 2021 - Apr 2022

### LETAK, Universiti Malaysia Sabah

Kota Kinabalu, Sabah

- Developed a **native Android application** in Kotlin to **address traffic congestion in city council parking spaces**.
- Utilized **Google's Cloud Firestore** real-time database for real-time updates, providing users with instant parking availability status.
- Successfully completed** as a curriculum requirement, showcasing proficiency in Android development and database integration.

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## EDUCATION

Sept 2019 - Sept 2023

### **Bachelor of Science Computer (Software Engineering) with Honours, Universiti Malaysia Sabah**

Kota Kinabalu, Sabah

- Relevant Courseworks: Completed a comprehensive curriculum focusing on **software engineering disciplines**, algorithms, data structure mobile and web engineering
- Honours Thesis: LETAK: Ticketless Parking Mobile Application. Developed a solution to **address urban traffic congestion** stemming from delays in locating parking spaces within the City Council's parking facilities.
- Academic Achievement: Accomplished inclusion in the **Dean's List** for exceptional academic achievements in **5 total semesters**.

Apr 2018 - Mar 2019

### **Foundation in Science, Kolej Matrikulasi Labuan**

Labuan

- Graduated with **3.71 CGPA**
- Actively participated in Robotics Competition and Debate Tournament

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## EXTRA-CURRICULAR ACTIVITIES

2019 - 2023

### **Debate, Universiti Malaysia Sabah**

- Actively participated in national debate tournaments from 2019 to 2023, honing public speaking and **critical thinking skills**.
- Two times DEBORA's semi-finalist, a national debate competition along with other local universities such as UKM, UM, UPSI and UIAM.

Mar 2020 - Mar 2021

### **Student Welfare Committee Council, Universiti Malaysia Sabah**

- Served on the Student Welfare Committee for one year, contributing to effective student representation and advocacy.
- Played a **key role in organizing various student activities** to foster a vibrant campus community.
- Become the **key communicator** between university's management and student regarding their welfare specifically around university's college.

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## REFERENCES

**References available upon request**