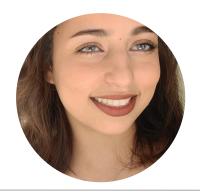# MARWAH ZAID

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📍 Selangor, Malaysia

SUMMARY

As a Software Engineer with a Bachelor's degree in Computer Science with honours from Multimedia University, consistently recognized on the Dean's List. My background includes hands-on experience with industry-leading companies, leadership in volunteer-driven IT initiatives, and multiple published research papers. With a strong foundation in project management and advanced proficiency across various programming languages, I am well-equipped to deliver innovative and impactful solutions in the field.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (SOFTWARE ENGINEERING) WITH HONORS

Multimedia University | 2022 - 2025

WORKING EXPERIENCE

BACK-END DEVELOPE

Aonic - Subang Jaya HQ | July / 2024 - Oct / 2024

- Developed and maintained RESTful APIs for drone control and telemetry
- Used Postman to design, test, and automate API workflows
- Managed real-time data ingestion and storage with SQL/NoSQL databases
- Authored API documentation and integrated third-party services securel

FULL-STACK DEVELOPER

Breakthrough Academy | Nov / 2023 - Feb / 2024

- Built responsive React/Redux front-ends with Material-UI.
- Developed Node.js/Express REST APIs secured with JWT.
- Containerized services with Docker and deployed via AWS CI/CD.
- Maintained 95% test coverage using Jest and Mocha.

HONOURS AND AWARDS

- **Dean's Award** Awarding institution: Multimedia University/MMU.
- One of the founder of the **first self printing machine** that was released in MMU on Oct/2023.

PUBLICATIONS

- "Harris' Hawks Optimization for Enhanced Clustering in Medical Diagnosis," ICBMC 2025
- "Zero Day Attack Detection: A Detailed Analysis," ICETI 2025
- "Deep Architectural Classification for Heart Disease Prediction," 2025

PROJECTS

- **Azzain.ink**
  - Developed the software for a self-print vending machine. Built the frontend with React, backend with Laravel, and integrated PHP modules.
- **Pet Glow**
  - Created an e-commerce website specializing in pet products.
- **TradeTalent**
  - Contributed to an AI-powered platform with extensive API integrations.
- **GoEvent**
  - Built an event management system using PHP.
- **Personal Landing Pages**
  - Designed and developed multiple personal and business landing pages.
- **Alien vs. Zombie**
  - Developed a 2D game in C++.

VOLUNTEER WORK

- Participated in the "Be a Helper" (Koun Awnan) community support initiative. | 18 / Oct / 2023
- UMW Mangrove Tree Planting Programme. | 25 / Nov / 2022
- Participated in the creativity and innovation ceremony for the year. | 25 / Nov / 2018

LANGUAGES

- **English**
- **Arabic**
- **Deutsch**

REFERENCES

Lim Siew Ling

Senior Lecturer in MMU | **Email:** sllim@mmu.edu.my

Linda Chua

Senior Lecturer in MMU | **Email:** slchua@mmu.edu.my