

ADAM IMRAN BIN ALWI

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PROFESSIONAL SUMMARY

Aspiring software engineer with a focus on building engaging & accessible digital experiences

WORK EXPERIENCE

Assistant Software Developer, UTMSPACE Sdn. Bhd. May 2023 – September 2023

- Developed and maintained multiple internal systems, including the staff portal, academic management system, student portal, and inventory booking system, to streamline daily operations and support digital transformation.
- Fixed recurring bugs and technical issues across platforms, resulting in a more stable ecosystem and reducing support tickets.
- Digitized manual paper-based processes by implementing intuitive software solutions, significantly increasing staff productivity and reducing administrative time.
- Collaborated with stakeholders to gather requirements and prioritize features, ensuring that internal tools aligned with staff needs and improved overall workflow effectiveness.

Internship Software Developer, UTMSPACE Sdn. Bhd. January 2023 – April 2023

- Contributed to the development of a financial management system for student fee processing by collaborating closely with the finance department to gather requirements and deliver features.
- Handled light system administration tasks, including laptop setup for new employees and configuring file-sharing permissions on Microsoft Server, ensuring smooth onboarding and data access.
- Managed basic network tasks, such as troubleshooting connectivity issues and maintaining internal network stability to support daily operations for staff and the students.

EDUCATION

Bachelor in Software Engineering with Honours

October 2023 - October 2026

Universiti Teknologi Malaysia, Johor Bahru

CGPA: 3.4

Diploma in Computer Science

November 2020 - November 2023

Universiti Teknologi Malaysia, Johor Bahru

CGPA 3.8

ACADEMIC EXPERIENCES / ACHIEVEMENTS

REQUIREMENT ENGINEERING COURSE

1st Place Group

- Gathered user requirements from PPD Johor, SMK Mutiara Rini Teacher and students regarding the TV Pusat Sumber Sekolah flows and converted them into a clear and structured Software Requirement Specification (SRS) document to guide development.
- Developed a responsive frontend prototype using ReactJS, aligning with the client's requirements to demonstrate key features and user interactions.
- Achieved 1st place out of 30 competing groups, recognized for delivery, innovation, and alignment with client needs.

Global Outreach Program Thailand 2024

October 2024

Deputy Director

- Assisted in organizing international student exchange to Thailand, coordinating the logistics to Silpakorn University and King Mongkut's University of Technology Thonburi to support cultural and academic experiences.
- Prepared detailed documentation and reports covering budget, itinerary, transportation, accommodation, and key activities to ensure transparent planning and smooth execution.
- Coordinated student flight bookings and lodging arrangements, contributing to a well-organized and stress-free travel experience for all participants.
- Supported the program secretary and team leaders (PICs) in managing group responsibilities and communications, enhancing team efficiency and on-site coordination.

LANGUAGE

Malay and English

TECHNICAL SKILLS

Programming Skills: Java, PHP, JavaScript / TypeScript, SQL, R, Python, VB.Net, HTML, CSS, C++, Dart, Firebase and MongoDB

Frameworks: Laravel, Spring MVC, Spring Boot, Tailwind CSS, Vue JS, ReactJS, Next JS, Express JS, jQuery and Flutter

CI/CD: GitHub, GitHub Desktop, Jira, Git CLI, Docker Desktop, docker-compose

Software: Figma, Adobe Illustrator, Adobe Photoshop, Enterprise Architect and MS Office

Operating System: Windows, Ubuntu, WSL2, Windows Server 2012

SELECTED PROJECTS

iBMS - Inventory Booking Management System

UTMSPACE Sdn. Bhd.

- Transitioned from a paper-based system to an online platform, enhancing speed and accuracy in daily operations.
- Enables booking of stationery, meeting rooms, and vehicles for outside work
- Allow IT equipment reservations, including laptops, projectors, keyboards, etc
- Supports report generation in Excel and PDF formats for tracking and documentation.
- Equipped with SMTP based notification upon booking.
- Developed with Laravel 10, PHP, JavaScript, jQuery, AJAX and MySQL.

TVPSS – Spring MVC Framework

- Developed as part of my Internet Programming course, TVPSS (TV Pusat Sumber Sekolah) is a web-based system built using the Spring MVC framework, Spring Security, where requirement came from Johor PPD and SMK Mutiara Rini Teachers.
- Designed and develop role-based access control for the TV Pusat Sumber Sekolah system, supporting three key user roles: School Admins, PPD Admins, and State Admins (Johor scope).
- Developed a student-facing system enabling login via email and IC number using a mock Student API developed with Spring Boot and MongoDB.
- Implemented a crew application module where students can apply to join TVPSS crews, triggering notification handling via SMTP email.
- Developed with Spring MVC 6, Java 21, Spring Security 3, Thymeleaf, JavaScript and jQuery.

HACTT – HyperAgile Collaboration Testing Tool with Hyperledger Fabric Blockchain

- Developed a test case management tool that integrates with a Hyperledger Fabric private blockchain network.
- Developed using Spring Boot, applying design patterns such as Factory and Facade for modularity and scalability.
- Developed smart contracts (chaincode) in TypeScript for the HACTT System and exposed APIs via Express.js gateway, allowing the system to save data into the Hyperledger Fabric ledger for tamper-proof storage.

References:

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