

Muhammad Akmal Ikhwan

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Summary

A full-stack developer experienced in Vue 3, Laravel, and MySQL, with a focus on building and maintaining internal enterprise systems for government and defence sectors. Brings practical UI/UX design skills alongside backend development, with hands-on experience in Docker, WebSockets, and REST API integration.

Work Experience

UI/UX Designer & Full-Stack Developer

Aug 2025 – Present

Maxvec Sdn Bhd

- Maintain and develop existing internal systems for Angkatan Tentera Malaysia (ATM).
- Design and improve UI/UX for existing ATM portals to enhance usability and user experience.
- Handle both frontend and backend development to build new systems under ATM.
- Tech stack: Vue 3, Laravel (PHP), MySQL, TailwindCSS, RESTful APIs, Docker, Laravel Reverb (WebSockets), Laravel Sanctum, React Native (Expo).

Administrative Executive

Jan 2025 – Aug 2025

Bjak Sdn Bhd

- Assisted customers with insurance renewals and issue resolution.
- Generated cover notes with precise and current client data.
- Validated customer records to ensure data integrity across systems.

Front-End Developer Intern

Mar 2024 – Jun 2024

Myces Sdn Bhd

- Developed front-end features using Quasar Framework and Vue.js, with version control via GitHub.
- Participated in client meetings with senior staff to understand project delivery processes.
- Collaborated with engineers on integrating root mean square (RMS) equations into the application.

Web Developer Intern

Sept 2021 – Mar 2022

JKR Malaysia

- Assisted in preparing the Software Requirements Specification (SRS) document.
- Attended Alteryx and Tableau training for data preparation and visualization.
- Learned Laravel (PHP) and used SmartGit for version control and team collaboration.

Education

Bachelor of Computer Science (Hons.) – Multimedia Computing

Oct 2022 – Jun 2024

Universiti Teknologi MARA (UiTM) Shah Alam

- Graduated with CGPA 3.53
- Focus on code optimization, 3D modeling, and animation.
- Final Year Project: Learning Folklore Si Tanggang using Gamification Method (Storyline-based).

Diploma in Computer Science and Mathematics

Jan 2019 – Mar 2022

Universiti Teknologi MARA (UiTM) Kuala Terengganu

- Graduated with CGPA 3.82
- Focus on fundamental programming and mathematics.

Skills

Programming Languages: HTML, CSS, JavaScript, PHP, Python, C#, C++, Java, SQL

Frameworks & Libraries: Vue 3, Pinia, Vite, Quasar, Laravel, TailwindCSS, Flask, React Native (Expo)

Backend & Infrastructure: RESTful APIs, WebSockets (Laravel Reverb & Echo), Laravel Sanctum, Docker, Laravel Sail

Version Control: Git, GitHub, SmartGit

Game & 3D Development: Unity, Blender, Android Studio

Data & Visualization: Tableau, Alteryx

Design & Media: Adobe Photoshop, Adobe Premiere Pro, Canva, CapCut

Dev Tools: Visual Studio Code, Visual Studio

Office Tools: Microsoft Word, Excel, PowerPoint

Languages: Bahasa Melayu (Native), English (Fluent), Japanese (Beginner)

Certifications & Awards

- Tableau Desktop Fundamental Hands-On Training Course – OR Technologies Sdn Bhd
- Anugerah Naib Canselor – Awarded for consistent academic excellence and achieving the Dean's List every semester at UiTM Kuala Terengganu.

References

Mohd Zahiruddin | Industrial Training Supervisor, Myces Sdn Bhd | zahiruddin@mycesgroup.com | +6011-6564 2468

Dr. Izzad Ramli | Final Year Project Supervisor, UiTM Shah Alam | izzadramli@uitm.edu.my | +603-5521 1116