

MUHAMMAD ALIF IRFAN BIN REDZUAN

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Bachelor of Computer Science (Software Engineering) with Honours

PROFESSIONAL SUMMARY

Computer Science (Software Engineering) graduate with hands-on internship experience building and refactoring production recruitment websites in an enterprise SaaS environment. Skilled across the full front-end stack (HTML, SCSS, Liquid, React, TypeScript) with working exposure to API integration and middleware. Combines strong UI/UX instincts, disciplined debugging habits, and solid CS fundamentals from academic projects in software testing and mobile development. Seeking a full-time Software Engineer, Front-End Developer or Backend Developer role to grow toward a senior technical career path.

PROFESSIONAL EXPERIENCE

Front-End Developer Intern — The Access Group

9 Mar 2026 - 21 Aug 2026

Access Volcanic Recruitment Website Platform

- Built and maintained production websites:** development and maintenance of live Access Volcanic recruitment websites using HTML, Liquid, SCSS, CSS, and Tephra sections templates.
- Led a full front-end refactor:** the Volcanic recruitment website from legacy HTML/SCSS into a modern React and TypeScript application on the Motif platform, achieving zero TypeScript errors, a clean component directory, and full separation of content from presentation logic.
- Established a design system:** A documented, token-based design system and reusable component architecture, laying the groundwork for a publishable component library serving multiple themes from a single source of truth.
- Content Crafter initiative:** A copywriting and semantic data schema framework across templates, aligning backend content fields with front-end components such as hero banners, value grids, and vacancy modules to support scalable, AI-assisted content generation.
- Skills Matrix API integration:** Secure connectivity to the SkillsMatrix API using Access Identity tokens configured a local proxy middleware layer to resolve CORS restrictions and consumed /api/flightpaths and /api/services-catalogue endpoints. Built client-side deduplication logic keyed on Payroll Number to compile an accurate, drift-free resource directory for enterprise reporting.
- Debugging:** Chrome DevTools daily to trace CSS inheritance issues, resolve responsive layout conflicts, and verify API/network calls across mobile, tablet, and desktop breakpoints.

EDUCATION

Universiti Malaysia Pahang Al-Sultan Abdullah

2022 - Present

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UiTM Dengkil

2021 - 2022

Foundation in Engineering

ACADEMIC PROJECTS

MC/DC Test Case Generator Using Secretary Bird Optimization Algorithm

Final Year Project

- Designed and implemented an automated MC/DC test generator to improve software testing efficiency and coverage.
- Applied metaheuristic optimization techniques to reduce redundant test cases while maintaining high fault detection capability.
- Developed Java-based implementation featuring condition parsing, objective function evaluation, and optimized sequence output.

COMPETITIONS & EXTRACURRICULAR

UMPSA x Huawei AppGallery Mobile Competition

Oct - Nov 2025

- Developed Guardianz, a safety-focused mobile app featuring real-time location sharing, emergency alerts, and community reporting, backed by requirement analysis and user research.

ICC's Day UI/UX Figma Bootcamp & Competition

Oct - Nov 2025

- Designed a high-fidelity UI for the UMPSA PKU health service web system in the Smart Campus UI/UX challenge, focusing on clean layout, intuitive navigation, and responsive components.

Ready4AI & Security Malaysia

Nov - Dec 2024

- Completed the Microsoft Security, Compliance, and Identity Fundamentals course, gaining foundational knowledge in identity protection, access management, and cloud security.

TECHNICAL SKILLS

Frontend: React, TypeScript, HTML, CSS, SCSS, Liquid, JavaScript, Responsive Design

Mobile: Flutter, React Native, Dart

Backend / API: PHP, Laravel, JavaScript, SQL, REST API Integration, Middleware & Proxy Configuration, Firebase

Platforms & CMS: Access Volcanic, Tephra, Motif

UI/UX: Figma (Wireframes, Prototypes, Design Systems)

Tools: Git, GitHub, VS Code, Android Studio, MySQL, Chrome DevTools

Languages: Java, JavaScript, TypeScript, HTML, PHP, CSS, SQL, C, Python

SOFT SKILLS

- **Problem-Solving:** Adept at diagnosing and resolving complex technical blockers, from tracing cross-browser UI bugs to engineering custom proxy middleware for API security constraints.
- **Teamwork & Collaboration:** Coordinated seamlessly with engineering and QA teams to establish rigorous testing frameworks and deliver structured project handover documentation.
- **Adaptability:** Highly adaptable to new technology stacks, successfully pivoting from mobile development to mastering enterprise frontend architecture and proprietary CMS environments.
- **Time Management:** Successfully balanced, prioritized, and executed parallel code migrations and schema updates across multiple global website themes within strict sprint timelines.
- **Technical Communication:** Capable of translating complex architectural concepts into actionable insights and authoring highly detailed UAT and technical documentation. Worked cross-functionally with supervisors and engineering teams to discuss blockers, report progress, and understand legacy code without breaking functionality.
- **Presentation:** Confident in delivering structured technical demonstrations, articulating project scope, and explaining architectural modernization strategies to stakeholders.

LANGUAGES

Malay: Native | English: Good Working Proficiency

REFERENCES

Available Upon Request