MUHAMMAD AMIRUL AIMAN MOHD AZHAR



Full Stack Developer

+60 18 364 4053 | amirul.aimanz2001@gmail.com | github.com/Mierul01
linkedin.com/in/amirulaimanz | amirulaimandev.netlify.app | Banting, Selangor

CAREER OBJECTIVE

Computer Science graduate (UKM) and Software Developer with over a year of professional experience delivering full stack web and mobile applications, from Laravel and PHP back end services and RESTful APIs to React and Vue front ends and native Android apps. Independently built and launched an AI-assisted SaaS platform for Malaysian SMEs, covering subscription billing, multilingual interfaces, secure authentication and Docker deployment, and has resolved live production incidents under pressure. Seeking a Full Stack Developer role where I can build dependable custom software for business clients and keep growing within a collaborative team.

SKILLS AND PROFICIENCY

- Programming Languages: PHP, JavaScript, TypeScript, Java, SQL, HTML, CSS
- Back End & APIs: Laravel, Node.js, Express, Spring Boot, RESTful API design, Laravel Sanctum authentication, queue-based asynchronous processing
- Front End: React, Vue.js, Blade, Tailwind CSS, Vite, Bootstrap, responsive and multilingual interfaces
- Mobile Development: Android (Java), React Native, Flutter, Firebase
- Databases: MySQL, PostgreSQL, MongoDB, Redis, Cloud Firestore
- DevOps & Tools: Docker, Nginx, Red Hat Linux, Git, GitHub, Composer, Figma
- Core Competencies: payment gateway integration, role-based access control, production incident response, root-cause analysis, data-integrity recovery, software testing
- Languages & Soft Skills: Fluent in Bahasa Melayu; intermediate in English; analytical problem-solving, team collaboration, clear communication

EDUCATION

Bachelor of Computer Science with Honours (Software Technology) **Oct 2022 – Nov 2025**
Universiti Kebangsaan Malaysia (UKM), Bangi, Selangor

Diploma of Information Technology (Digital Technology) **Jun 2019 – Feb 2022**
Politeknik Ungku Omar, Ipoh, Perak

- Received Head of Department’s Award in Semester 2 through Semester 6

Malaysian Certificate of Education (SPM) **Jan 2014 – Dec 2018**
SMK Bukit Changgang, Banting, Selangor

WORK EXPERIENCE

Software Developer **Jan 2025 – Present**
Swiss Link Communications Sdn Bhd, Cyberjaya

- Developed and deployed new system features and enhancements across web and mobile applications, improving functionality and supporting evolving business requirements for internal users and clients.
- Designed and implemented RESTful APIs to enable seamless system integration and secure data communication, improving interoperability between multiple applications.
- Maintained and optimized existing systems by resolving defects, implementing client-requested improvements, and enhancing performance, resulting in more stable and responsive applications.

- Led the migration of applications from legacy environments to modern platforms and developed a new company mobile application, supporting business operations while ensuring system reliability and scalability.
- Built Öuruz Bisnis, an AI-assisted meeting-minutes SaaS for Malaysian SME admin teams, using Laravel 13, PHP 8.3, Tailwind CSS, and queue-based async processing, live at bisnis.ouruz.my.
- Shipped the end-to-end workflow: voice/text capture, AI draft generation, admin review and edit, a searchable meeting repository, and branded PDF/DOCX export (DomPDF, PHPWord).
- Implemented Freemium subscription tiers with ToyyibPay billing, per-account data isolation, and activity audit logging to support security and Malaysian compliance (PDPA) expectations.
- Delivered a trilingual UI (English, Bahasa Malaysia, Chinese), a REST API secured with Laravel Sanctum, secure share links, and Docker-based deployment to production.

Full-Stack Development (Laravel/PHP, MongoDB, Android/Java)

- Built and shipped features end-to-end across a Laravel/MongoDB admin backend and a native Android field-enforcement app, including a new sysadmin-only analytics dashboard tracking app-version adoption across the enforcement workforce.
- Designed a cross-platform feature (Android to API to web dashboard) to report and visualize mobile app version adoption, enabling data-driven rollout decisions instead of guesswork.
- Redesigned multiple record-editing interfaces (compound/notice management) to a modern, consistent UI system based on iterative stakeholder feedback across multiple review cycles.

Production Incident Response & Debugging

- Diagnosed and resolved a live production outage (fatal PHP errors blocking all users) by tracing the root cause through a corrupted dependency and autoloader state, without direct server access, guiding a non-technical operator through Git and Composer recovery steps in real time.
- Root-caused a recurring HTTPS/mixed-content bug by replacing unreliable environment-based detection with a request-based check, eliminating a class of production-only bugs that did not reproduce locally.
- Identified and fixed a broken Git submodule reference in a critical PDF-generation dependency before it reached production, a silent failure that would have broken document generation on any fresh deployment.

Data Integrity & Legacy System Recovery

- Investigated and resolved a data-integrity issue stemming from historically non-unique record identifiers, building tooling (diagnostic commands, a duplicate-record picker, a shared-evidence-pool photo review UI) that let staff safely reconcile years of legacy records without data loss.
- Designed a graceful degradation path for oversized PDF generation (413 errors) that let enforcement staff manually curate evidence attachments instead of the system failing outright.

Process & UX Improvement

- Simplified a 4-field vehicle-data entry form into a single free-text field based on direct end-user (enforcement officer) feedback, while preserving full backward compatibility with existing printed and PDF document formats and years of historical records.
- Expanded vehicle model reference data across 6 vehicle categories (cars, motorcycles, trucks, vans, buses, 4WDs) to reflect the full range of vehicles actually encountered in the field, reducing reliance on free-text fallbacks.

Internship Trainee **Sept 2024 – Jan 2025**

Swiss Link Communications Sdn Bhd, Cyberjaya

- Collaborated closely with development team members to support daily system tasks, demonstrating strong work ethic and adaptability while gaining hands-on experience in real-world software development environments.
- Authored and finalized multiple user manuals and technical documents for internal systems, incorporating stakeholder feedback to improve usability, accuracy, and alignment with project requirements.

- Performed bug fixing and error resolution across several existing systems, contributing to improved system stability, reliability, and smoother user experience.
- Supported system documentation and maintenance by generating database structure and program file reports for E-DND systems and applying version control practices using Git to ensure organized, traceable development work.

Internship Trainee **Sept 2021 – Feb 2022**

Pos Digicert Sdn Bhd, Cyberjaya

- Developed and integrated front-end features using HTML, CSS, and JavaScript, supporting API integration and improving website functionality and user interaction efficiency.
- Designed and built a full CRUD web application, strengthening backend logic and database management skills while supporting reliable data creation, retrieval, updating, and deletion.
- Applied Java programming and object-oriented principles through hands-on collaboration with experienced developers, improving debugging accuracy and understanding of real-world application development.
- Contributed positively to team culture by collaborating effectively with colleagues, improving English communication and translation skills, and actively participating in company programs, achieving Top 10 placement in a company-wide virtual run event.

PROJECTS

LogBook Digital+ **Final Year Project, UKM**

PHP, MySQL, JavaScript, Bootstrap

- Developed a web-based digital logbook that replaces paper records for final year project supervision, enabling students to record weekly progress, current status, problems encountered, and planned tasks for the following week.
- Implemented role-based access control for students and supervisors, with a supervisor review and approval workflow featuring written feedback, a digital e-signature, and automatic Pending/Checked status tracking.
- Designed the relational MySQL database, secured all data access with PDO prepared statements, and provided sortable records with print and PDF export for reporting.

ProSafety Application **Final Year Project, Politeknik Ungku Omar**

Android (Java), Firebase, Google Maps API

- Built an Android personal safety application that sends an emergency SOS text message containing the user's live Google Maps location to saved emergency contacts when the phone is shaken three times.
- Implemented a persistent background service using the accelerometer for shake detection and the Fused Location Provider for GPS, with automatic service restart and a fallback alert when location is unavailable.
- Integrated Firebase Authentication, Realtime Database, and Storage for registration, sign in, password reset, and profile management, alongside a Google Maps view of nearby locations.

SchoolManage **Live: schoolmanage-c1fef.web.app**

React, Vite, Firebase, Cloud Firestore

- Built a school operations system for SMKA Tok Bachok covering digital lesson plans (e-RPH), MMI check-ins, assembly attendance, and co-curriculum reporting.
- Delivered live administrative dashboards backed by Cloud Firestore, giving school management real-time visibility of daily operations.

REFERENCES

Dr. Hadi Affendy Dahlan
Supervisor
Universiti Kebangsaan Malaysia (UKM)
+60 18 762 4086

Jamaliah Binti Musa
Academic Advisor
Politeknik Ungku Omar
+60 12 665 1807