

MUHAMMAD IDZHAM YAAKUB

Software Engineer & IT Professional

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PROFESSIONAL SUMMARY

Full-stack web developer with production deployment experience across PHP/MySQL and Laravel systems, AI-integrated enterprise workflows, and client-facing technical delivery. Built Visora — a multi-role photography marketplace with 20+ relational tables, REST APIs, real-time messaging, and OpenAI GPT integration — as a solo developer. Completed a 5-month Software Engineering internship spanning functional QA testing, AI content pipelines, patch documentation, corporate AI training support, and on-site client scoping with Astro and Thisaigal Media. Proficient in React, Laravel, Supabase, Firebase, and Tailwind CSS. Graduating July 2026 (Diploma in IT, CGPA 3.60, 4× Dean's List, UniKL MIIT) — available for full-time roles from August 2026.

TECHNICAL SKILLS

Languages	PHP (Advanced), JavaScript, HTML5, CSS3, SQL
Frameworks & Libraries	Laravel, React, Bootstrap 5, Tailwind CSS, PDO, REST API Design
Databases & Services	MySQL, Supabase (Auth, Real-time, Storage), Firebase (Auth, Real-time, Storage)
Security & Auth	RBAC, bcrypt Hashing, CSRF Protection, OTP Verification, Session Management, SQL Injection Prevention
AI & Automation	OpenAI GPT API, Google Gemini API, NotebookLM, ChatGPT Prompt Engineering, Human-in-the-Loop Workflow, LLM Content Pipelines, Google Vids
Dev & QA Tools	Git, GitHub, VS Code, Postman, Figma, Google Stitch, npm, Composer, XAMPP, Hostinger, Vercel, Notion, Lovable, PHPMailer (SMTP)
Core Engineering	SDLC, Agile Workflow, Functional QA Testing, Bug Reporting, Patch Documentation, Cron Job Automation, Audit Logging, Relational Schema Design, UI/UX Auditing, Responsive Web Design

PROFESSIONAL EXPERIENCE

Software Engineering Intern · AIHQ Training and Consultancy Kuala Lumpur, Malaysia	Mar 2026 – Jul 2026
Functional QA Testing: Conducted end-to-end functional and UI/UX testing on the Mail AI platform across desktop and mobile environments, logging 20+ defects in Notion covering layout bugs, broken workflows, and missing features — all reported issues were actioned and resolved by the development team. Patch Documentation: Reverse-engineered platform architecture logs, ChatGPT project histories, and codebase data to produce structured, granular patch documentation for the Agent EM and Firefly platforms, cross-referenced with team members to ensure technical accuracy. AI Content Pipeline: Designed and executed a scalable content generation workflow using NotebookLM and ChatGPT prompting frameworks to produce 50 storybook outputs for Firefly (AIHQ's proprietary platform), applying human-in-the-loop verification to maintain professional-grade quality at scale. Low-Code Frontend Deployment: Implemented an approved HTML training page redesign on Lovable under supervisor guidance, translating custom layout architecture into a low-code environment while preserving responsive design integrity for the ChatGPT Malaysia Hub. Multimedia Content Production: Built a repeatable video production pipeline using NotebookLM (script synthesis) and Google Vids (automated asset production) for the ChatGPT Malaysia Hub video series, completing full production across two series with iterative quality reviews. Corporate AI Training Support: Assisted in the on-site delivery of an HRDC-claimable corporate AI training programme for 15 Banyan Tree staff, managing attendance compliance documentation (T3 forms, JD14) and authoring the formal post-training report submitted to the client. Client Discovery & Technical Scoping: Attended on-site discovery meetings at Thisaigal Media Malaysia and Astro alongside senior leadership to gather and finalize requirements for an AI transcription and translation model — both engagements progressed to active development. Product Deployment & User Research: Participated in the Firefly booth deployment at Bintang Playhouse, observing real-world user engagement patterns and contributing to a post-event operational review to identify bottlenecks and improve future deployment strategy.	

TECHNICAL PROJECTS

Visora — Full-Stack Photography Commission Marketplace

Oct 2024 – Jan 2025

PHP · MySQL · Bootstrap 5 · REST API · OpenAI GPT-3.5 · PHPMailer · Hostinger · Final Year Project (Solo Developer)

- Sole developer on a production-deployed, multi-role marketplace (Client, Photographer, Admin) built with pure PHP/MySQL, featuring 20+ interconnected relational tables with InnoDB foreign-key constraints, cascading deletes, and composite unique constraints.
- Engineered a commission booking workflow with a strict payment-intent gate, photographer approval pipeline, OTP-based email verification via PHPMailer, and automated 24-hour cron jobs handling timeouts, cancellations, refunds, and SMTP notifications.
- Built a real-time Direct Messaging system with REST-style API endpoints, typing indicators, WhatsApp-style read receipts, file attachments, unread counters, and AJAX-driven pagination.
- Integrated OpenAI GPT-3.5 via a custom AIService abstraction layer supporting conversation persistence, prompt engineering, token tracking, confidence scoring, and AI-to-human escalation handoff.
- Implemented enterprise-grade security: bcrypt password hashing, CSRF token generation/validation, session-based RBAC, parameterized PDO queries, and a cashout audit log tracking actor ID, IP address, user agent, and value changes.
- Deployed to Hostinger with environment-based .env configuration, runtime schema migration guards, and structured error logging for stable uptime throughout the project lifecycle.

EDUCATION

Universiti Kuala Lumpur – Malaysian Institute of Information Technology (UniKL MIIT)

Jul 2023 – Jul 2026

Diploma in Information Technology · CGPA: 3.60 · 4× Dean's List Recipient

Relevant Coursework: Data Structures (A) · Computer Networks (A) · Database Systems (A) · ASP.NET Web Programming (A-) · Computer Architecture (A)

EXTRACURRICULAR & VOLUNTEERING

- **Logistics Committee — TechnoFest (UniKL MIIT):** Coordinated equipment setup and supply chain support for a student entrepreneurship event.
- **Communal Service Volunteer — Jalan Ampang Muslim Cemetery:** Led a student team in a structured cemetery restoration initiative, practising cross-stakeholder coordination.

LANGUAGES

Bahasa Melayu: Native/Fluent · **English:** Professional Working Proficiency (technical documentation & client communication)