

MUHAMAD ARIFFUDIN

SOFTWARE ENGINEER

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PROFESIONAL SUMMARY

Creative and results-driven Web Designer & Developer with experience in building responsive websites, scalable applications, and interactive dashboards. Skilled in full-stack development, UI/UX design, API integration, and data analytics. Proficient in PHP Laravel, JavaScript, HTML/CSS, Figma, Power Bi, Tableau, and Python. Strong in performance optimization, user experience, and cross-functional collaboration. Ready to contribute immediately to fast-paced, innovation-driven teams.

WORK EXPERIENCE

Pegawai Teknologi Maklumat F9

Jan 2025 – Present

Institut Maklumat dan Analisis Pasaran Buruh (ILMIA).

Putrajaya

- Designed and developed interactive Tableau dashboards for internal and public use, integrating Python automation, AI LLM for data cleansing, classification, and analytics boosting processing efficiency by 40% and improving data accuracy and insight delivery.
- Led UI/UX redesign and coached junior developers on automation and data analytics tools, resulting in a 10% increase in team productivity and improved cross-departmental collaboration.

Pegawai Teknologi Maklumat F9

Jan 2023 – Dec 2024

Universiti Teknologi Malaysia (UTM).

Johor Bahru

- Redevelopment of AIMS2000 into MyAIMS using PHP Laravel and Oracle SQL, unifying academic and administrative services into a single platform boosting system reliability by 40% and reducing access issues by 30% across departments.
- Delivered secure, API-driven modules through full-cycle development, including system analysis, testing, and vendor collaboration, enhancing scalability, performance, and user experience across UTM's enterprise digital platforms.

Web UI / UX Developer

Jan 2022 – Dec 2022

Alphacore Technology Sdn. Bhd.

Kuala Lumpur

- Designed and implemented user-centered web interfaces for internal and client platforms, applying responsive design and accessibility standards, boosting mobile performance by 40% and reducing bounce rates by 25%.
- Collaborated with cross-functional teams to deliver interactive prototypes and scalable UI solutions, improving usability scores by 30% and ensuring consistent branding across 5+ major platforms.

Software Engineer

Jan 2021 – Dec 2021

SRG Asia Pacific Sdn. Bhd.

Kuala Lumpur

- Developed and maintained scalable PHP/Java-based enterprise systems for 3,000+ users, optimizing backend performance and API integrations to reduce report generation time by 24% and improve system responsiveness.
- Automated MIS workflows and streamlined database operations, cutting development time by 20%, while providing Level 3 support, audit-compliant documentation, and team training across key departments.

WORK EXPERIENCE

Web Developer

May 2020 – Dec 2020

George Healthcare Sdn. Bhd.

Kuala Lumpur

- Developed and deployed the Healtopedia health portal from scratch, boosting web traffic by 35%, acquiring 2,000+ active users, and achieving 98% accessibility compliance through WCAG-aligned UI/UX practices.
- Improved end-to-end user experience by optimizing design workflows, integrating SEO and feedback loops, and delivering 10+ support documents and staff training sessions enhancing operational efficiency by 30%.

EDUCATION

BSc (Hons) in Software Engineering

2018 - 2020

Asia Pacific University of Technology & Innovation | Staffordshire University

Kuala Lumpur

Dip in Information Technology (Programming)

2015 - 2018

Polytechnic Balik Pulau

Pulau Pinang

CERTIFICATIONS

- Cerificate in Laravel & PHP Programming - 2024
- Cerificate in SQL Database - 2024
- Microsoft Certified: UX Design - 2024
- Microsoft Certified: Data Analyst Associate - 2023
- Microsoft Certified: Azure Fundamentals - 2023
- Certificate in Python Programming - 2023
- Advanced Computer & Data Analytics (APU ACDA) - 2023
- Introduction to Programming using Python - 2023
- Analyzing Data with Power BI - 2023
- Develop IOS Application - 2021
- Certification in Cybersecurity (Ethical Hacking) - 2021
- Business Marketing through Digital Platforms - 2021

SKILLS

Software & Tools Proficiency : Web & App Development (HTML5, CSS Bootstrap, JavaScript, PHP Laravel, Python, Java, flutter, React), Wireframing & Prototyping (Adobe XD, Figma, Sketch, InVision, Framer), Version Control & Collaboration (GitHub, Sourcetree, Docker), Digital Marketing & SEO (Google & Facebook Ads, SEMrush), Video Editing & Multimedia (Photoshop, Illustrator, Premiere Pro).

Project Management & Documentation : Full SDLC & End-to-End Project Delivery, Sprint Planning, Project Scheduling (Gantt Charts, Trello) Resource Allocation & Cross-functional Team Coordination, Technical Documentation & Reporting (Confluence, Google Workspace), Risk & Issue Management, Compliance (ISO), Communication & Dashboard Reporting.

Technical Proficiency : Data Analytics, Usability Testing & Accessibility Compliance, Acceptance Testing & Quality Assurance, Software Development Lifecycle (SDLC), Database Management (MySQL, ORACLE, PostgreSQL), Scraping Tools (BeautifulSoup, Selenium) Virtualization (Tableau, Power Bi).

EXTRACURRICULAR INVOLVEMENT

Event Coordinator & Organizer

- Book Launch – Kes Mahkamah Report, MPK (2025)
- Merdeka Events – Run, Explorace, Corporate Events, UTM (2024)
- Department Family & Sports Day – UTM (2024)
- UTM Convocation – UTM (2024)
- Health Talk Series – George Health (2020)

Speaker, Facilitator & Trainer

- Conferences & Tech Meetups – Alphcore, UTM, ILMIA (2022–2025)
- Knowledge-Sharing Sessions – UI/UX, Dev Topics, UTM, ILMIA (2024–2025)
- IT Security Awareness Sessions – UTM (2024)
- Majlis Tilawah Al-Quran – UTM (2024)
- Hari Raya Events – UTM, ILMIA (2023–2025)
- Trainer to Junior Devs & Interns(2020–Present)