Muhammad Zulhanif Zairudin

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Portfolio: https://portfolio-blue-iota-85.vercel.app/

PROFESSIONAL SUMMARY

Passionate about web development, frontend and full-stack software design, and improving user experiences through thoughtful UI and efficient application logic. Hands-on experience with React, Next.js, .NET, and API integration, coupled with real-world exposure to enterprise e-invoicing systems during a Technology Consultant internship at EY. Eager to grow in software and web development roles by building interactive applications, optimizing workflows, and contributing to collaborative, real-world projects.

ACADEMIC

Bachelor of Science in Computer Science   **October 2022 - July 2025**
Lancaster University, United Kingdom

Relevant Modules : Software Development, Software Design, Databases, Operating Systems, Distributed Systems, Computer Networks, Artificial Intelligence, Security and Risk

International Baccalaureate Diploma Program (IBDP)   **September 2020 - May 2022**
MARA College Banting
Result: 35 Points

WORK EXPERIENCE

Technology Consultant Intern   **July 2024 - August 2024**
Ernst and Young, Kuala Lumpur, Malaysia

- Contributed to the implementation and deployment of SAP-based e-invoicing systems for enterprise clients, supporting large-scale digital transformation of finance and invoice workflows.
- Designed and executed end-to-end system testing and user acceptance testing (UAT), ensuring functional correctness, data integrity, and regulatory compliance of SAP e-invoicing platforms.
- Built and maintained large-scale test datasets (1,000+ records) to simulate real-world invoicing scenarios (invoices, debit/credit notes and memos), validating edge cases and complex workflow behavior.

Web Developer   **July 2023 - September 2023**
Freelance, Remote

- Delivered a production-ready educational website for a primary school teacher, improving digital delivery of lesson content and increasing student engagement through interactive learning experiences.
- Translated user requirements into clear UI flows and interactive features, iterating with stakeholder feedback to refine usability and content structure.
- Engineered responsive, mobile-friendly interfaces using HTML, CSS, and JavaScript, ensuring cross-browser compatibility and smooth performance.
- Took ownership of the full development lifecycle (requirements gathering, design, development, testing, deployment), meeting tight deadlines and maintaining high code quality.

IT Support & Marketing Intern   **July 2023 - September 2023**
Talita Laptop, Penang, Malaysia

- Provided technical support and hardware upgrades for 50+ laptops, troubleshooting issues and improving system performance for customers.
- Designed promotional materials and engaged with 100+ customers, boosting product awareness and user experience.

LEADERSHIP EXPERIENCE

Student Ambassador - Interactive Peers   **February 2021 - February 2022**
MARA College Banting

- Supported 200+ students with inquiries on university applications, mental health, and wellbeing, providing guidance, resources, and follow-up to ensure effective peer support.
- Planned and executed 10+ workshops and speaker sessions, coordinating logistics, promotion, and scheduling to engage the student community and enhance learning and development programs.

PROJECTS

Payroll Management System

C#, .NET, React, SQL Server, JavaScript, HTML, CSS

- Enterprise-grade payroll management system built with .NET 8, React, and SQL Server, following Clean Architecture principles for maintainable and testable code.
- Handles employee CRUD, working day management, skills, and salary calculations including birthday bonuses, with full RESTful API and responsive frontend UI.
- Implements Dapper for data access, unit testing with xUnit, global exception handling, and Swagger/OpenAPI documentation for backend endpoints.

Fynecta Landing - Webflow to Next.js Migration

Next.js, React, TypeScript, JavaScript, HTML, CSS, Webflow, Lottie Web

- Migrated a production Webflow site into a modern Next.js application, preserving animations, layout structure, and multi-page navigation while improving maintainability and performance.
- Refactored static HTML/CSS into reusable React components with TypeScript, improving code organization, making the codebase cleaner and easier to update as new pages and features were added.
- Implemented client-side routing, asset optimization, and animation re-initialization (Lottie), ensuring smooth user experience and consistent behavior across pages and devices.

Portfolio Website

Next.js, React, TypeScript, Tailwind CSS, JavaScript, HTML, CSS

- Designed and developed a portfolio website using Next.js and React, focusing on clean UI and smooth client-side navigation.
- Built UI components in React with a fast feedback loop during development, allowing quick testing and refinement of features.
- Built dynamic project pages using data from local JSON files, allowing new projects to be added by editing data instead of rewriting components.

Book Library Management System

PHP, MySQL, HTML, CSS

- Developed a full-stack, database-driven web application using PHP and MySQL to manage library records, implementing complete CRUD functionality for books and categories.
- Designed and implemented server-side validation and input sanitization to prevent common vulnerabilities (e.g., SQL injection, duplicate records), improving data integrity and application security.
- Implemented relational database design and SQL queries for common operations, improving data consistency and application performance.

SKILLS

- **Programming Languages :** Python, Java, C, C#, JavaScript, TypeScript, PHP, SQL
- **Frontend & Web Development:** React, Next.js, Tailwind CSS, HTML, CSS, Webflow, Lottie-web
- **Backend & Full-Stack Development: :** ASP.NET Core, FastAPI, PHP, MySQL, MongoDB
- **Game & GUI Development:** Unity, Java Swing, Java2D
- **Tools & Platforms:** Git, GitHub, Linux, VS Code, Visual Studio, SSMS
- **Language :** English (Fluent), Malay (Fluent)

VOLUNTEERING EXPERIENCE

Mini Malaysia (Lancaster University Malaysian Society), United Kingdom   **October 2024 - December 2024**
Event Coordinator

- Coordinated and delegated team activities for an international cultural event, managing over 50 team members to showcase Malaysia's unique heritage, crafts, and traditions to a global audience.
- Organized and led planning meetings, event logistics, and stakeholder communication, ensuring seamless execution of activities, exhibitions, and cultural presentations attended by hundreds of international visitors.

EXTRACURRICULAR ACTIVITIES

Google Kick Start 2020

Participated in Google Kick Start 2020 coding competition and managed to get into round E.

Model United Nations Conference 2020

Represented Mexico in the SOCHUM committee, collaborating with global delegates on social and humanitarian issues.