MUHAMMAD IZZAT HAQIMI BIN ROSLAN

SOFTWARE ENGINEER

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Kuala Besut, Terengganu, Malaysia

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with hands-on experience in full-stack web development, research systems, and ERP solutions. Currently contributing to impactful research projects at Sea Turtle Research Unit (SEATRU), specializing in Laravel, PHP, and modern front-end technologies. Proven track record in developing award-winning systems, conducting user acceptance testing, and maintaining enterprise web platforms. Strong foundation in software engineering principles with expertise in database management, system architecture, and agile methodologies.

WORK EXPERIENCE

Software Engineer & Research Assistant

Sea Turtle Research Unit (SEATRU), Universiti Malaysia Terengganu | March 2025 - Present

Key Achievements:

- Contributed to ROMAns (Enhancing Efficiency and Profitability in Keropok Lekor Manufacturing Through ERP) - awarded Gold Medal at MPI2025 (Minggu Penyelidikan dan Inovasi, May 2025)
- Designed and developed research poster presentation for innovative ERP system targeting local manufacturing industry efficiency
- Contributed to TIDeS (Turtle Imprinting Database System) project - awarded Bronze Medal at MPI2025, supporting environmental research and conservation efforts

Core Responsibilities:

- Conducting comprehensive User Acceptance Testing (UAT) for ROMAns ERP system to ensure quality and usability standards
- Maintaining and enhancing INOS Website (UMT) with regular updates, bug fixes, and feature improvements
- Providing technical research assistance to Dr. Faizah Aplop on multiple innovative projects
- Developing and maintaining web-based research systems with focus on real-world industrial and environmental applications
- Collaborating with cross-functional research teams to deliver high-quality, impactful software solutions
- Implementing best practices in testing, documentation, and version control for research software development

Software Engineering Intern

MySoftcare Solution Sdn. Bhd. | August 2024 - January 2025

- Developed full-stack web applications using Laravel framework, implementing comprehensive CRUD operations and user authentication systems
- Designed and implemented responsive user interfaces using Tailwind CSS and Flowbite components, ensuring optimal user experience across devices
- Enhanced data management efficiency through well-structured database designs and optimized query implementations
- Created comprehensive user manuals and technical documentation, facilitating seamless application adoption and troubleshooting
- Collaborated effectively with team members in an agile environment, participating in sprint planning and code reviews

Transportation Service Runner

Sam Car Rental | June 2021 - August 2023

- Provided exceptional customer service by coordinating student transportation with attention to safety and punctuality
- Demonstrated strong time management and organizational skills while handling multiple transportation schedules
- Maintained professional communication with diverse clientele, ensuring satisfaction and reliability

EDUCATION

Bachelor of Computer Science (Software Engineering) with Honours

Universiti Malaysia Terengganu | 2021 - 2024

- CGPA: 3.38/4.00
- Obtained Grade A in Programming, Discrete Structure, and Computer Architecture and Organization
- Dean's List Award for Semester 1 and Semester 5
- Bronze Award in 1+1 International Innovation Competition 2023

STEM Foundation

Universiti Malaysia Terengganu | 2020 - 2021

- CGPA: 3.98/4.00
- Band 4.0 in MUET (Malaysian University English Test)
- Dean's List Award for all semesters

TECHNICAL SKILLS

Development	Database & Tools	Research & Testing	Systems
• Laravel & PHP • HTML5 & CSS3 • JavaScript • Tailwind CSS • Java & Python	• MySQL • PHPMyAdmin • Git & GitHub • Version Control • Agile Methods	• UAT Testing • System Testing • Research Poster Design • Documentation • Quality Assurance	• ERP Systems • CMS Platforms • Database Systems • Web Maintenance • IoT Development

CORE COMPETENCIES

- Research Software Development: Experience in developing award-winning research systems with real-world industrial and environmental applications
- User Acceptance Testing: Proficient in conducting comprehensive UAT to ensure system quality, usability, and stakeholder satisfaction
- Full-Stack Web Development: Strong proficiency in both front-end and back-end technologies with hands-on Laravel and PHP experience
- ERP & Enterprise Systems: Experience with enterprise resource planning systems and large-scale web platform maintenance
- Database Management: Skilled in designing, implementing, and optimizing relational databases for research and business applications
- Collaborative Research: Proven ability to work effectively with academic researchers and deliver impactful technical solutions

RESEARCH PROJECTS & AWARDS

ROMAns: ERP System for Keropok Lekor Manufacturing

- **Gold Medal - Minggu Penyelidikan dan Inovasi (MPI2025), UniSZA, May 2025**
- Developed enterprise resource planning solution to enhance efficiency and profitability in local manufacturing industry
- Designed research poster presentation showcasing system architecture and business impact
- Conducted comprehensive user acceptance testing to ensure system reliability and usability

SailCare - Smart Boat Maintenance and Monitoring System

- Developed comprehensive web-based system for OceanLink Sailing Club
- Implemented features for boat maintenance tracking, monitoring, and scheduling

UniStore Online Shopping E-Commerce System

- Built complete e-commerce platform with product catalog, shopping cart, and payment integration
- Designed user-friendly interface with secure authentication and transaction handling

ACADEMIC HONORS & RECOGNITION

- Scholar of Tertiary Education Sponsorship Programme MARA
- Dean's List Award for all semesters in Foundation program (CGPA 3.98/4.00)
- Dean's List Award for Semester 1 and Semester 5 in Degree program
- Bronze Award in 1+1 International Innovation Competition 2023

LEADERSHIP & COMMUNITY INVOLVEMENT

- Mentorship Kinesis Zone PSZN 2023: Led multiple mentorship programs including 'Sisyphean Story Sanctum', 'Zoetic Quest Quarters', 'Torchbearer Talk Tables', and 'Mentoring Magic Modules'
- STEM Helper for Isolation Students: Provided academic support to students in quarantine during COVID-19
- Visual Healthy Run Charity: Participated in promoting fitness and well-being for the visually impaired
- COMTECH Sport Day 2022: Active participant as Futsal player
- LPU Talk: Branding Yourself - Enhanced entrepreneurship and personal branding skills