MOHAMMAD HAMKA IZZUDDIN BIN MOHAMAD YAHYA

Aspiring Software Engineer Graduate with programming, web development, and IT skills, complemented by experience in customer service and marketing, showcasing problem-solving, communication, and client-focused abilities.

Software Engineering | Cybersecurity | UI/ UX Design | Full Stack Development | Scrum

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PERSONAL SUMMARY

Passionate and ambitious individual with solid **programming skills** and excellent **communication abilities**. With a strong foundation in **big data analytics**, **full stack development**, the **Internet of Things (IoT)**, **Cloud Computing**, **Cybersecurity**, and **Artificial Intelligence (AI)**, particularly in **generative AI**, I am eager to continuously expand my knowledge and skills across various areas of Information Technology. I actively seek opportunities to refine my skills and contribute to **cutting-edge projects** and **Industry 4.0 technologies**. My goal is to stay at the forefront of **technological advancements** and leverage innovations to drive impactful solutions. Committed to **continuous learning** and **professional growth**, I strive to remain adaptable and proficient in emerging technologies. By integrating advanced IT solutions, I aim to enhance operational efficiency and support strategic objectives within organizations.

EDUCATION

Universiti Malaysia Sarawak (UNIMAS)   **2019 - 2024**
Bachelor's Degree of Computer Science with Honours (Software Engineering)   CGPA: 3.65
- **Scholarship:** Yayasan Sarawak Tun Taib Scholarship (BYSTT) Recipient.
- **Publication:** Reviewed Article "Enhancing IIoT Security: AI-Driven Blockchain-Based Authentication Scheme" in International Journal of Computer Science & Technology (2024).
- Subjects of Expertise: Data Structure & Algorithms, Web-Based System Development, Object-Oriented Software Development, Operating Systems, Database Concept & Design, Software Requirement Engineering, Project Management, Human-Computer Interaction, Software Engineering Laboratory, Expert Systems, Data Mining, Software testing, Computer Security, and Advance Technology in Software Engineering.

PROFESSIONAL EXPERIENCE

Cyber Security & Risk Management (ICT) Intern at Sarawak Energy Berhad (2023)
- Optimized **SIEM** tools with **Splunk Enterprise Security**, analyzing **10,000+** security logs weekly, configuring **15+ dashboards**, investigating anomalies, and collaborating to strengthen the organization's **security framework** and **incident response**.
- Developed and refined **50+ SIEM use cases**, collaborating with the team to define security scenarios, design **use cases**, implement monitoring **rules** and **alerts**, and analyze trends, ensuring effective **detection** and **resolution** of security issues.
- Created and delivered Cybersecurity Awareness Training at Menara Sarawak Energy, enhancing **employee awareness**, **ethical behavior**, and **proactive security practices** by researching threats, developing content, and conducting sessions to **foster a culture of security awareness**.

Sales assistant at Pasar Malam Belia N6 Metrocity and Uptown Civic Centre Kuching (2015 - Present)
- Maintained high hygiene and safety standards, managed inventory efficiently, and delivered exceptional customer service by preparing food, optimizing stock, and assisting customers to ensure a positive shopping experience.

PROJECT EXPERIENCE

Price Checker System based on Student Budget, Final Year Project (2023- 2024)
- Developed an intuitive web-based system to compare item prices from two selected stores using the **Waterfall methodology**.
- This sophisticated system featured distinct interfaces for both students and administrators, allowing students to compare prices across different stores, participate in interactive forum discussions about items, rate and review products, and create and manage personalized wishlists. For administrators, the system provided powerful tools for overseeing user activities, moderating discussions, and managing item reviews.
- Emphasized the creation of a streamlined and highly effective user experience, focusing on enhancing system functionality and ensuring ease of use to meet diverse user needs and operational goals.

Planning, Support Manager, & Head Developer, Ultimate Athletic Gym Management System (2022 - 2023)
- Led the development of the Web-Based System using **SDLC**, delegating tasks for admin and customer sides and ensuring alignment with **client requirements**.
- Managed **testing phases** including unit, integration, and user acceptance to validate system functionality, performance, and security, overseeing comprehensive **testing** and **debugging**.
- Initiated the **final project phases** including **maintenance**, **deployment**, and **documentation** including TSPi forms and User Manual, ensuring a smooth transition and ongoing support.
- Supported **strategic planning** and **project management**, debugging complex issues, ensuring high-quality deliverables, and coordinating with stakeholders to meet project milestones.

Project Manager, Arngren E-commerce System (2021)
- Managed and overhauled a web system by **redesigning** from scratch and implementing **advanced full-stack development**, excluding PHP and pre-built frameworks. Directed the project to significantly enhance **design** and **functionality**, aligning with user needs and modern standards.
- Monitored project **progress** to ensure compliance with user and software requirements, **focusing on visual design principles** to deliver an engaging user experience. Coordinated the team, managed timelines, and resolved issues, resulting in improved system performance and user satisfaction.

EXTRACURRICULAR ACTIVITIES

LEADERSHIP ROLES

Head of Discipline and Protocol Unit, FCSIT Final Year Project Symposium (2024)
- Led secretariat operations, ensured smooth event execution, coordinated VIP services, and managed report writing.

Project Leader, Service Learning (SULAM) for Ayam Korea by Adelia's Kitchen Community (2023/2024)
- Directed a team to produce a high-impact promotional video, delegated tasks effectively, and managed documentation portfolios.

Assistant Head of Logistics and Technical (LOGITEK) Unit for Minggu Aluan Pelajar (MAP) UNIMAS & Majlis Apresiasi MAP (2023)
- Supervised logistics, mentored Liaison Officers, and directed preparations for the appreciation dinner.

EXCO of Activities and Volunteerism, PERTEKMA, FCSIT, UNIMAS (2021 - 2023)
- Spearheaded multiple roles, including facilitator and protocol officer, driving the successful organization and execution of hybrid events.

VOLUNTEERING

Talk & Tour University Mentors Group with Telebort (2024)
- Volunteered as a Data Scientist, conducting impactful AI Education research and surveys to support school adoption.

FCSIT Research Open Day, Scavenger Hunt (2022)
- Coordinated and facilitated an engaging scavenger hunt and 3D printing demos for secondary schools.

MYBIOSA "Together We Can" National Campaign (2022)
- Actively participated in beach cleanups and recycling initiatives to promote environmental conservation.

PROGRAMS/ ACTIVITIES

Petronas BeDigital Bootcamp Cohort #8 (2024)
- Completed an intensive two-week program, honing advanced skills in AI, Cybersecurity, HR, and Leadership.
- Collaborated with industry leaders, gaining market insights and applying digital skills to real-world projects, preparing for top-tier roles.

CERTIFICATIONS & SKILLS

Certifications:
- CompTIA Cloud Essentials+ (2024)
- **Google Certificate (2023/24):** IT Support | Cybersecurity | Data Analytics | Project Management | UX Design
- **RapidMiner Professional (2023):** Machine Learning | Data Engineering | Application & Use Case
- Scrum Fundamentals (2023)

Technical Skills:
- **Programming Languages:** C, C++, Java, HTML, CSS, Javascript, PHP, & Python
- **Design & Prototyping:** Figma, Adobe XD, Canva
- **Development & IDEs:** Visual Studio Code, Eclipse, Notepad++
- **Data Analysis & Visualization:** Power BI, Tableau, R
- **Cloud & DevOps:** AWS, Google Cloud Platform
- **System & Scripting:** Linux, Shell (Bash), Git
- **Data Management & Monitoring:** Splunk, SQL
- **Multimedia:** Premiere Pro

Interpersonal Skills: Leadership and Teamwork, Project Management, Planning & Organizing, Effective Communication Skills, Flexible & Adaptability, Analytical & Critical Thinking, and Problem-solving

Language: Malay (Native), English (Proficient)

Interest: Reading, Technology, Fashion, Travelling, Football, History, Politics and World Affairs

REFERENCES

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