WAN AHMAD MUSTAQIM

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ABOUT ME

A determined Junior Full-Stack Developer, I bring a Diploma in Computer Systems & Network Technology and over 500 hours of intensive Software Engineering training from General Assembly Australia. With half a year of hands-on experience in backend and frontend development, I have become highly proficient in Python, JavaScript, and frameworks like Next.js and React. My strong foundation in Network Engineering complements my software development expertise, enabling me to build robust, scalable solutions with a user-centric approach. Passionate about continuous learning and innovation, I am eager to contribute to dynamic teams and create impactful technology solutions.

WORK HISTORY

Junior Full-stack Developer | GovTech Nucleus Unit   *May 2024 - Now*
Ministry Of Digital Malaysia, Putrajaya

- Developed two major government platforms: AskMyGov, a citizen FAQ platform for government-related queries, and SiaranGovMy, a centralized hub for government press releases and announcements.
- Designed and implemented responsive, mobile-first interfaces using Next.js, Tailwind CSS, and shadcn, ensuring a seamless user experience across devices.
- Integrated NextAuth for secure and efficient authentication workflows, enhancing platform security.
- Built and optimized REST APIs to ensure consistent data structure between backend and frontend, enabling smooth application functionality.
- Leveraged AWS S3 and AWS SDK for file storage and management solutions, ensuring scalability and reliability.
- Implemented Elasticsearch to enable fast and efficient search functionality within applications.

Tour Manager | Business Operations   *Dec 2018 - Aug 2023*
Heritage One Stop Travel & Tours, Kuala Terengganu

- Managed 30+ tours, resulting in enhanced customer satisfaction rates.
- Orchestrated seamless travel logistics for over 500 clients.
- Established and maintained partnerships with 5+ destination ground travel agencies to diversify tour offerings.
- Implemented innovative strategies to optimize tour experiences and exceed client expectations.
- Oversaw budgeting and financial planning for tour operations, achieving cost-efficiency targets.
- Conducted regular evaluations and feedback sessions to continuously improve tour quality.
- Collaborated with cross-functional teams to streamline communication and ensure smooth operations.
- Resolved customer inquiries and concerns promptly to maintain high levels of client satisfaction.

Network Engineer Intern   *Dec 2017 – Apr 2018*
Aries Telecoms, Kuala Lumpur

- Managed server networks and related infrastructure to ensure smooth operations.
- Successfully resolved a range of hardware and software issues, maintaining uninterrupted service.
- Optimized network performance through proactive monitoring and troubleshooting.
- Documented network configurations and procedures to facilitate knowledge sharing and ensure continuity of operations.

EDUCATION

General Assembly Australia | Oct 2023 - Dec 2023

Software Engineering Immersive

Vocational College ERT Setapak, Kuala Lumpur | Sep 2014 - Jul 2017

Diploma in Computer Systems & Network Technology

CERTIFICATION

OpenEDG Python Insitute | Jan 2024

PCEP – Certified Entry-Level Python Programmer certification

OpenEDG Python Insitute | Feb 2024

PCAP – Certified Associate in Python Programming

PROFESSIONAL PROJECTS

AskMyGov (Next.js + Django + NextAuth + Elasticsearch + OpenAI Semantic Search):

- Built a custom admin dashboard to streamline answering citizen queries efficiently.
- Developed a user-friendly form where citizens can submit their questions after searching the database to avoid duplication.
- Integrated Elasticsearch and OpenAI Semantic Search Embeddings for accurate and intelligent search results.
- Implemented multilingual support using i18n to cater to diverse language needs.
- Leveraged NextAuth for secure user authentication and session management for admin dashboard.

SiaranGovMy (Next.js + Payload) :

- Designed and developed a custom admin dashboard for posting press releases and announcements.
- Created a schema in Payload CMS tailored to meet specific project requirements.
- Enabled citizens to search for press releases efficiently using Payload's built-in search plugin.
- Added multilingual support with i18n to ensure accessibility for a wider audience.

PERSONAL PROJECTS

CommuniTalk (MERN Stack) :

- Created 'CommuniTalk', a real-time social networking platform with secure user authentication, instant messaging, and group chats.
- Integrated community posting capabilities within a React.js front-end for enhanced user engagement.
- Utilized Node.js, Express, and MongoDB for robust backend operations, ensuring efficient data management.
- Implemented WebSocket for live communication, significantly improving user interaction and connectivity.

Restaurant Food Review Web Application (Express.js) :

- Developed a comprehensive food review website using Express, MongoDB, and Passport-Local for authentication.
- Integrated Cloudinary for image storage, enabling users to post reviews and edit their profiles for public viewing.
- Users can update their reviews, fostering an interactive community for food enthusiasts to share experiences and recommendations.

Hospital Management System (Django) :

- Developed an integrated Hospital Management System to streamline hospital operations, handling patient information, appointments, and administrative tasks.
- Designed patient features to view/update personal and medical info, request appointments, and access records submitted by doctors.

- Enabled manager functions for overseeing operations, staff management, assigning doctors and scheduling appointments, and managing patient records.
- Provided doctors with access to patient medical records, appointment management, prescription capabilities, and a comprehensive view of treated patients.
- Utilized Django framework and PostgreSQL for robust backend development, with secure authentication and password hashing for data security.

Inventory Management System (MERN Stack) :

- Engineered a user-friendly Inventory Management System utilizing React for front-end and Express for backend functionality, deployed on Heroku.
- Enabled user authentication and authorization features to ensure secure access, with enhanced privileges available for admin users.
- Implemented product management capabilities, allowing users to list, sort, add, edit, and remove products within the inventory.
- Administered exclusive admin controls for managing the inventory, including adding new products, and editing or deleting existing ones.

SKILLS

SOFT SKILLS	PROGRAMMING SKILLS		LANGUAGE
• Communication	• Python	• GitHub	• Malay
• Work Ethic	• Django	• Express.js	• English
• Problem Solving	• JavaScript	• MongoDB	
• Teamwork	• Node.js	• PostgreSQL	
• Critical Thinking	• React.js	• Flask	
• Time management	• Next.js	• Payload	
	• ElasticSearch	• Tailwind	
	• Rest API	• NextAuth	
	• Server Side	• Shadcn UI	
	Render	• i18N	