WAN AHMAD MUSTAQIM

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ABOUT ME

A highly enthusiastic and fast-learning software engineer with a deep passion for technology. I thrive in dynamic environments, quickly adapting to new challenges and continuously expanding my expertise. Always eager to explore emerging innovations, I am committed to building impactful solutions and staying ahead in the ever-evolving tech landscape.

WORK HISTORY

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

- Key members for the development of digital platforms that enhance government accessibility and transparency, ensuring seamless public engagement.
- Driving the development of impactful digital platforms that enhance government accessibility and communication.
- Focused on delivering secure, scalable, and user-centric solutions to streamline public services.
- Continuously learning and adapting to emerging technologies to refine system architecture, improve security, and deliver impactful digital solutions.
- Developed three major government platforms: **AskMyGov**, a citizen FAQ platform for government-related queries, **SiaranGovMy**, a centralized hub for government press releases and announcements and **TechGovMy,** a main website for GovTech Malaysia

Methodologies	Kanban(tickets) || Scrum(sprints)
Responsibilities	60% Technical & 40% Project Management
Tech-stack / Technologies	Next.js, Tailwind CSS, ShadCN, Django, Django REST Framework, NextAuth, REST APIs, PostgreSQL, Elasticsearch, AWS S3, AWS SDK, GitHub, Linear, MongoDb, Payload.CMS, Atlas, TypeScript, Node.js

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.

Methodologies	Agile
Responsibilities	100% Technical
Tech-stack / Technologies	DNS, MPLS, EIGRP, VLAN, STP, VTP, SMNP, Wireshark, Nmap, Putty, VMware, iPerf, Netstat, Nslookup, Linux, Windows Server Management, Fibre Optics, LC Fibre Patching

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.

TechGovMy(Next.js + Payload) :

- Developed the official website for GovTech Malaysia to enhance digital presence and accessibility.
- Built a dynamic and scalable content management system using Payload CMS, allowing easy updates and content publishing
- Designed a modern, responsive UI with MYDS library to ensure seamless user experience across devices.
- Implemented structured content organization and optimized performance for better navigation
- Added multilingual support with i18n to ensure accessibility for a wider audience.

PERSONAL / HOBBY PROJECTS

CSVQuery-RAG (Python + Gradio + Langchain + ChromaDB + OpenAI Embeddings & LLM) :

- Built a Natural Language Query System using LangChain and OpenAI that enables users to analyze CSV data through conversational interactionsIntegrated community posting capabilities within a React.js front-end for enhanced user engagement.
- Implemented Retrieval Augmented Generation (RAG) architecture with conversation memory for contextually-aware data analysis
- Developed a user-friendly web interface using Gradio, allowing non-technical users to extract data insights through simple queries

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.

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

SKILLS

SOFT SKILLS

- Communication
- Work Ethic
- Problem Solving
- Teamwork
- Critical Thinking
- Time management

PROGRAMMING SKILLS

- Python
- Django
- JavaScript
- Node.js
- React.js
- Next.js
- ElasticSearch
- Rest API
- Server Side Render
- GitHub
- Express.js
- MongoDB
- PostgreSQL
- Flask
- Payload
- Tailwind
- NextAuth
- Shadcn UI
- i18N

LANGUAGE

- Malay
- English