

Muhammad Hanafi Abd Rahman



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👤 Married

PROFESSIONAL SUMMARY

Experienced professional with refined problem-solving skills, a strong passion for learning, and exceptional communication abilities. Prepared to improve team performance and achieve successful outcomes. Eager to tackle new challenges, with a strong work ethic, positive outlook, and commitment to continuous growth. Dedicated to propelling organizational goals forward with unwavering dedication and enthusiasm.

WORK HISTORY

Nome Solutions - Software Developer, Business Development

Bandar Puncak Alam, Selangor

01/2024 - Current

- Collected, defined and translated user requirements into project designs and implementation plans.
- Designed a system architecture for web application projects before proceeding to a development phase with team.
- Responsible on designing Entity Relation Design (ERD) database for web application using tools such as diagram.io.
- Designed a functional web application and mobile application mockup using Canva & Figma, presented to the clients to ensure the understanding the system's flow based on the client's request.
- Communicate with client's in order to decide the User Interface / User Experience on the mockup.
- Developed and deployed a full-stack web application based on architecture design and mockup agreed by the clients.
- Managed and monitored server and cloud to ensure the performance always at the top and no issue arose in the production environment.
- Designed a functional API in the web application to integrate with mobile application.
- Developed cross-platform mobile application (Android & IOS) using React Native, that consumed API from web application and published to Play Store and App Store.
- Increased website performance by optimizing front-end and back-end code for faster loading times.
- Monitored application performance continuously to proactively identify bottlenecks and implement necessary optimizations before issues arose in production environments.
- Provided all level customer support if issues reported by the clients.
- Provided a documentation for client's reference and support to use the system in early stage after deployment.
- Laid and fitted electrical wire, and install CCTVs as per client's order.
- Laid and fitted network cable, either for CCTV, server or computer connection as per client's requirement.

Net Geometry Sdn Bhd - System Architect, System Integrator, Software Developer

Damansara Perdana, Selangor

05/2019 - 06/2023

- Designed system architecture and Entity Relation Design (ERD) from the based system, database, system flow and user interface for web application and assisted junior developers in building the system within the timeline.

EDUCATION

04/2014

University of Technical Malaysia Melaka

Ayer Keroh, Melaka

Bachelor of Electronic Engineering (Computer) with Honors

02/2011

Polytechnic of Sultan Azlan Shah

Behrang, Perak

Diploma of Electronic Engineering (Computer)

SKILLS

- **Programming Language:** PHP, HTML5, Javascript, CSS, Python, C, VB.NET, C#, Typescript
- **Framework:** Laravel, Reactjs, Nextjs, React Native, Tailwindcss, Bootstrap, MQTT
- **Database:** MySQL, Postgresql, MongoDB, Firebase
- **Tools:** Thingsboard, Node Red, Redis, Eclipse Mosquitto, Figma, Canva, Docker
- **Cloud:** GCP, VPS
- **Server:** Ubuntu, Debian
- **Electronics:** Arduino, Raspberry Pi, LoRa, Bare electronic component & circuit, ModBus, IoT, OPC
- **Others:** Electrical wiring, Network cabling and fitting, Computer repair & maintenance, Phone repair & maintenance

LANGUAGE

- **Bahasa Melayu:** Fluent
- **English:** Intermediate

- Managed, coordinated and monitored developers to develop and integrated web application in following the development schedule and development lifecycle.
- Advised and proposed solutions with 3rd party solutions or tools in terms of engineering challenges.
- Responsible in handling and leading series of workshops with clients in planning development stages and discussing solutions for raised issues.
- Developed, tested and deployed a full stack web applications based on architecture design and client's request, ensuring the development and deployment were within the timeline agreed by the client.
- Worked closely with clients to gather requirements and translate them into technical specifications for implementation.
- Responsible in designing and providing overall architecture of IoT solutions with devices, sensors and software specification.
- Participated actively in building and testing an IoT solutions while implementing overall designed architecture.
- Participated in integrating data from sensor's data to gateway, and deliver to processing server then show the data in dashboard.
- Participated on IoT installation, implementation, presentation and delivering project to offshore team in offshore platform.
- Designed a company website based on design agreed by the committee.
- Created proofs of concept for innovative new solutions to cater challenges raised by the clients.

FZI Solutions - Farm Tech

Sepang, Selangor

01/2018 - 08/2019

- Researched and developed a solution to minimize the work force and gain more harvest in a farm.
- Responsible in planting, farming and growing to understand the flow of farming from early stage to harvest stage.
- Implemented an automated fertigation system with monitoring to crops in order to supply nutrients and water to plants.
- Participated in building an indoor hydroponic system and implementing simple IoT solutions to grow and monitor plants.
- Designed and developed website based on client's requests and needs.

Reka Axis Sdn Bhd - System Integrator

Kuala Lumpur, Melaka & Singapore

12/2017 - 01/2019

- Involved actively in research and development with teams for an IoT solutions and robotic solutions.
- Developed and Integrated hardware and software for an AGV (Automated Guided Vehicle), and tested on ground to ensure the AGV operated in a properly manner.
- Participated in converting Naza Sutera into an electric vehicle for an event in Polytechnic Sultan Azlan Shah.
- Responsible in handling and assisting teachers in teaching electronics component and circuits in short courses held by the company.

Hermit Solutions - Web Designer

Gombak, Selangor

11/2016 - 12/2017

- Designed and developed websites based on client's requests.
- Advised solutions based on challenge arises in projects and executed the solutions in a proper manner.
- Provided exceptional customer service by promptly addressing problems reported by end users.
- Provided a documentation and manual on websites developed for client's future references.
- Actively participated with clients while in development to ensure projects delivered smoothly and in scope of client's requests.

Terminal Tech - Software Developer / IT Technician

Shah Alam, Selangor

12/2014 - 03/2016

- Repaired customer's computers and Apple devices based on order and problem stated on order note.
- Provided 3rd level support on client's premises, focuses on IT issue arises based on customers request.
- Designed and developed websites for company and clients.
- Laid and Installed LAN cable and Wifi router on several premises based on order from the customers.
- Designed and developed POS software with printable receipt/invoice for company.

Appslippers - Programmer

Ayer Keroh, Melaka

05/2013 - 10/2014

- Collaborated with cross-functional teams to ensure seamless integration and deliverables
- Adapted quickly to new technologies and programming languages, enhancing overall team productivity.
- Debugged complex software issues, leading to a more stable product release.
- Continuously updated skills through training courses, workshops, and self-study—staying current on industry trends and emerging technologies.
- Participated in software field testing to verify performance of developed projects.
- Translated customer requirements into written use cases.

ACTIVITIES & CERTIFICATION

- Certified Tropical Bosiet & Safety - 2021
- Participated in Jelajah Seni Tekpi - 2016
- Participated in Ruby on Rails: Crash Course - 2014
- Participated in UTeM Innovation & Technology Competition - 2014
- Participated in Fira Malaysia Cup - 2011

ADDITIONAL INFORMATION

- Driving license: **B2, D**
- Possesses own transport: **Yes**
- Availability: **Immediately**
- Willingness to relocate: **Yes**