RAIS HELMY

Sr. Back End Developer

A learning-oriented and responsible Senior Back End Developer, with a history of delivering successful projects across diverse business areas. Confident in navigating new challenges and taking ownership of resolving complex issues, including rescuing projects from critical failure. Committed to maintaining project integrity and delivering dependable results.
#.NET #ASP.NET #MVC #Waterfall #DevOps #Git #Nodejs

Experience

Juruquest Consulting Sdn. Bhd., Petaling Jaya, Malaysia

Sr. Technical Consultant (Mei 2023 - Present)

- o **Successfully salvaged a critical mobile application project nearing its deadline, despite inheriting an incomplete and non-functional Xamarin codebase.**
- o **Issue**: Inherited a project in its final month, with an uncompilable and non-running codebase, originally developed in Xamarin (a technology outside of my primary backend expertise).
- o **Action**: Rapidly reverse-engineered the existing code, identified and rectified critical errors, and completed the remaining development tasks.
- o **Result**: Delivered the completed application within two months, demonstrating adaptability, rapid learning, and a strong sense of ownership in rescuing a project from potential failure.
- o Resolved critical conflicts within existing Mobile Application systems related to Active Directory (AD) authentication, ensuring seamless user access and improved application stability.
- o Successfully reverse-engineered complex GRID Transmission systems for Tenaga Nasional Berhad (TNB), enabling efficient integration and maintenance of critical infrastructure systems.
- o Accelerated frontend development using Flutterflow (Flutter), resulting in rapid prototyping and deployment of new features for ongoing projects.
- o Designed and implemented RESTful APIs using .NET 8, incorporating JWT token-based authentication and integration with Active Directory, ensuring secure and authorized access to backend services.
- o Developed an automated Email Reminder system using the existing .NET Framework, improving communication and task management efficiency.
- o Integrated specific modules with SharePoint, enhancing collaboration and document management capabilities.
- o Developed interactive and flexible dashboards using .NET MVC, Chart.js, and HighChart.js, providing real-time data visualization and actionable insights.

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SKILLS
.NET C# React EXPO
Next.js Node.js Javascript
SQL Server, PostgreSQL, MySQL
Gitlab Selfhosted
Bash Scripting
Powershell Scripting
VMware ESXi, Openstack
Active Directory
YAML, JSON
CI/CD Pipeline
Ngrok, Caddy HTTP/TCP Forwarding
Leaflet.js, Esri ArcGIS, GeoServer, OSM
OpenCV, GPT-J
TT-RSS, GeoRSS Feed
ThreeJS A-Frame WebGL Opengl
React Typescript ES6
Laravel PHP
PDO MsAccess
Tensorflow
Object Oriented Programming
Design Pattern

PROJECT
- TNB GRID TOMAS SYSTEM
- TNB HR EMPLOYEE SYSTEM
- RMP COMPUTER AIDED DISPATCH
- RMP PUBLIC SAFETY UNIFIED COMMUNICATION
- RMP DBQUERY CCIU INTERAGENCY.
- RMP MERGENCY RESPONSE SYSTEM - ANI/ALI
- RMP FLEET MANAGEMENT SYSTEM
- 3D/2D GEOSPATIOL AND ANALYTIC MAP SYSTEM
- NEWS FEED
- IN-CAR LIVE STREAMING VMS

EDUCATION
University Malaysia Sabah
B.S. in Information Technology, Multimedia Technology
2022 W.P. Labuan, Malaysia

Vector Intelligence Sdn Bhd, Kuala Lumpur, Malaysia

Technical Lead (2022 - 2023)

- Led the technical analysis and development of the C4i Malaysia emergency response system, a highly critical and complex project involving multiple integrated subsystems.
- Conducted in-depth process analysis of the existing emergency system, encompassing Computer Aided Dispatch (CAD), call taker systems, support systems, JPN, Police, Traffic query systems, and Telco SIP integrations from Telecom Malaysia MERC 999 to the Police C4I PDRM (formerly MCAD).
- Managed the integration of diverse technologies, including walkie-talkies, in-car CCTV systems, portable police tablets with MCAD clients, in-car computers for real-time video and GPS data transmission, NMEA GPS integration, and SIP server clients for data center communication.
- Architected and oversaw the development of a secure Wi-Fi over WAN system for MPV Police CARs, enabling seamless CCTV file uploads and synchronization with Balai Police data centers, incorporating WORM format file encryption.
- Spearheaded the revitalization of a web crawler system originally developed by MIMOS, which required significant rework due to its non-functional state, ensuring critical data acquisition capabilities.
- Implemented and customized ESRI-based police map systems to enhance situational awareness and operational efficiency.
- Navigated the project's unique challenges, including the absence of existing source code and the need to develop the entire system from scratch, requiring extensive cross-functional collaboration and rapid problem-solving.
- Successfully managed the integration of numerous agency systems and diverse communication protocols, demonstrating expertise in handling complex IoT and multi-device environments.
- Ensured the reliability and security of a system critical to public safety, emphasizing the life-saving nature of the project.

TECHLEAD MY VENTURE, Sarawak, Malaysia

Freelance Fullstack Software Developer (2020 – 2022)

- Developed custom websites using PHP and JavaScript for diverse clients, enhancing online presence.
- Implemented a voter registration system (Daftar Pemilih) integrating SPR data for a political party.
- Created personalized and business websites using WordPress and Webflow, optimizing user experience.
- Designed and delivered tailored software solutions, meeting specific client requirements.
- Managed end-to-end project development, ensuring timely delivery and client satisfaction.
- Provided client training on implemented systems, facilitating smooth adoption.