

Umendran Muniandy

Software Engineer I

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<https://github.com/Umen14>

Hi there, I'm Umendran, a level-1 software engineer with experience in C++, Python, and other programming languages. I'm also currently learning Ruby to expand my knowledge and skills. I enjoy creating tutorial videos on YouTube to share my knowledge and help others learn how to code. With a passion for software engineering, I'm always looking for ways to improve my craft and stay up to date with the latest industry trends.

WORK EXPERIENCE

QBeep Intelligent System Sdn Bhd - Software Developer

April 2024 - current

- Developed a comprehensive admin dashboard system utilizing TypeScript and Next.js for the front end with Tailwind for CSS, and Laravel for the back end. This integration resulted in a 70% increase in usage by streamlining the update process for a mobile app through robust API integration.
- Designed and implemented a logistics system featuring real-time tracking capabilities, integrating with the 17Track third-party service to enhance user-friendliness of shipping information. Focused on delivering an intuitive and responsive front-end experience.
- Developed an AI model using Meta Llama 3.1 (8B) to integrate an AI chatbot within the admin dashboard. This project involved training data with Python and Poetry, significantly improving productivity and user engagement within the dashboard.

PETRONAS Upstream Digital Kuala Lumpur - Programmer

Aug 2023 - March 2024

- Spearheaded the development of a robust API data collection system in collaboration with MuleSoft, resulting in a 70% improvement in data retrieval speed and a 30% increase in overall operational efficiency and automatically sends HTML/CSS template-based email notifications to the designated person in charge, reducing manual effort and improving response time by 30%
- Developed and implemented an OCR recognition system, increasing text identification speed by 40%, resulting in efficient and streamlined upload process compared to Adobe Acrobat
- Pioneered innovative solutions that improved data processing efficiency by 30%, showcasing a dedicated commitment to optimization and continuous improvement
- Spearheaded the design and implementation of a cutting-edge ETL system, enabling the seamless migration of 100,000+ data records between SAP and Petronas Risk Based Inspection (PRBI), reducing migration time by 20%. Ensured data accuracy and integrity during a complex migration process, achieving 93% accuracy and ensuring compliance with industry standards
- Leveraged technology to enhance data-driven decision-making and reporting by developing Python scripts for Excel, revolutionizing data reading processes and expediting data analysis, resulting in a 75% reduction in analysis time

The Laryngeal Mask Company Sdn.Bhd - IT Intern

May 2023 - Aug 2023

- Developed Android Studio based on Employee Scanning System with .Net Reports and Power BI for analysis that reduced 70% human effort with admin control and employee control by HR.
- Build Emergency Response Team In & Out System in Android Studio and .Net for Data Reports with Power BI BOM List System for Unique Silicone based on each material number with calculation data output Canteen Meal Allowance System with .Net Report and Android Studio for Employee to Scan and Power BI for data outputs.

The Laryngeal Mask Company Sdn.Bhd - IT Intern

May 2019 - Jul 2019

- Developed a Production Monitoring System and Production Percentage System using Visual Basic to optimize production processes.
- Built a QR scanning and Facial Recognition System using HTML and SQL to improve security measures.
- Created a Java-based mobile application for Teleflex to access key production data on-the-go.

EDUCATION

UOW Malaysia KDU Penang University College - Bachelor of, Software Engineering

2021 - Aug 2023, 3.03

UOW Malaysia KDU Penang University College - Diploma, Computer Studies

May 2021, 2.78

UOW Malaysia KDU Penang University College - Certificate in Information Technology

Apr 2019, 2.96

PROGRAMMING LANGUAGES

- C++ , C# , Python , Java , Node.js , Typescript , Laravel

SOFT SKILLS

- Leadership , Teamwork , Communication , Problem Solving

LANGUAGES

- Malay , English , Tamil