



MICHAEL N. ARA JR.

Full Stack Web Developer

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📍 Zone 3, Anislag Daraga, Albay

PROFESSIONAL SUMMARY

Detail-oriented and tech-driven Bachelor of Science in Information Systems graduate with practical experience in creating dynamic and efficient web applications. Knowledgeable in full-stack development, API integration, and database management, with a focus on performance, and usability. Utilizes modern frameworks and AI-assisted tools to streamline development processes and ensure high-quality results. Eager to apply technical expertise and a growth-oriented mindset to build innovative solutions that enhance user experience and business efficiency.

TECHNICAL SKILLS

- Language: PHP, HTML, CSS, JavaScript, TypeScript, SQL, Python (basic)
- Frameworks: Laravel, Next.js, Tailwind CSS, Angular, Bootstrap
- Tools: Visual Studio Code, Git, Node.js, Supabase, Figma (Basic)
- Databases: PostgreSQL, Prisma, MySQL, Firebase (Basic) WordPress (Basic)
- Soft skills: Leadership, Teamwork, Problem Solving, Flexibility, Adaptability

EDUCATION

2022 - 2025	Southern Luzon Technological College Foundation, Inc. Bachelor of Science in Information System
2021 - 2022	Bicol University Polangui Campus Bachelor of Science in Information Technology
2019 - 2021	Sorsogon National High School TVL - Information Communication Technology (Animation & Drafting)

PROFESSIONAL EXPERIENCE

2023 - Present	Freelance Developer <ul style="list-style-type: none">• Designed and deployed full-stack web applications using modern frameworks.• Developed IoT-based solutions integrating microcontrollers, sensors, and cloud services• Collaborated with clients to gather requirements and deliver tailored solutions• Ensured code quality, documentation, and scalable project architecture
2024 - 2025 Quanby Solution, Inc.	Web Developer - (OJT & Internship) <ul style="list-style-type: none">• Developed responsive front-end interfaces using HTML, CSS, JavaScript, and React• Assisted in building RESTful APIs and server-side features with Node.js and Express• Worked with databases (MySQL, Supabase) for data storage and retrieval• Collaborated with the development team on debugging, testing, and feature enhancements.

PROJECTS

- **Event and Booking Management System** *(School Project)*

A web-based platform for scheduling, managing, and organizing school events and reservations.
(PHP, HTML, CSS)

- **InternNet: A Smart OJT Placement and Management Portal** *(Freelance Capstone Project)*

An online system that connects students with partner companies for OJT placements and monitors progress digitally. (Laravel, PHP, HTML, CSS, Bootstrap, MySQL)

- **Manual Besom: IoT-based sustainable cleaning system** *(Freelance Capstone Project)*

A smart cleaning device that uses IoT sensors to optimize cleaning operations and track maintenance. (C++, Arduino)

- **Homeguard: IoT-based Automation with Smoke detection and Fire safety alerts** *(Freelance Capstone Project)*

A home automation system that integrates smoke detection and real-time fire safety alerts.
(C++, MIT, ESP32)

- **Albay Chamber of Commerce Website** *(OJT Project - Quanby Solution, Inc.)*

A responsive website for the Albay Chamber of Commerce showcasing business information, events, and membership services. (WordPress)

- **Smart Trash Bin: Automated waste management with Arduino** *(Freelance Capstone Project)*

An Arduino-powered waste bin that automatically sorts and manages trash levels using sensors.
(C++, Arduino, Ultrasonic Sensor)

- **Supply Management System** *(Internship Project - Quanby Solution, Inc.)*

A database-driven system for tracking inventory, managing supplies, and monitoring stock activities. (Angular, Tailwind, Prisma, Python)

- **Real-Time Jeepney Locator & Passenger Monitoring System** *(My Capstone Project)*

GPS-based mobile and web solution for tracking jeepney locations and monitoring passenger load in real time. (PHP, JavaScript, and C++)

ACHIEVEMENTS

- With Academic Distinction
- Proficiency in Project Management
- Best in Capstone Project – Real-Time Jeepney Locator & Passenger Monitoring System