EMMANUELLE D. ALEGA

IT PROFESSIONAL

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PERSONAL SUMMARY

Software and Web Developer with hands-on experience developing and maintaining web applications using React.js, Node.js, and MySQL. Experienced in software implementation, debugging, testing, and technical troubleshooting, with additional exposure to system configuration, networking, and CCTV system projects. Adaptable and capable of taking on diverse technical assignments while collaborating with teams to develop and support reliable software solutions.

TECHNICAL SKILLS

- **Programming:** HTML, CSS, JavaScript, C++, C#
- **Web Development:** React.js, Node.js
- **Databases:** MySQL, PostgreSQL, Firebase
- **Systems & Networking:** OS Installation & Configuration, Network Setup & Configuration, CCTV System Configuration & Troubleshooting
- **Tools & Platforms:** Git, GitHub, Odoo ERP, Microsoft Office

EXPERIENCE

Software Developer Intern

Integritech Builders Solutions Inc. | March 09 2026 - May 25, 2026

- Designed and developed the Human Resource Information System (HRIS) module as part of a company-wide ERP project.
- Developed a professional portfolio website for the company's CEO.
- Studied and practiced business workflows using the Odoo ERP System.

Software Developer/Web Developer

Integritech Builders Solutions Inc. | August 24, 2026 (Current)

- Develops and maintain web applications using React.js, Node.js, and MySQL, including feature development, debugging, and system improvements.
- Collaborate with team members to troubleshoot technical issues and support software implementation, testing, and deployment.
- Participate in project-based technical assignments, developing and customizing software solutions according to project requirements.
- Assists in CCTV system projects involving CCTV devices, including device programming/configuration, system setup, testing, and troubleshooting.

EDUCATION

Bachelor of Science in Information Technology

John Paul College 2022 - 2026

Secondary 2016 - 2022

Primary 2009 - 2016

PROJECTS

HydraSense: An IoT Based Wearable Hydration Hydration Monitoring System with Web-Based Real-Time Analysis (Capstone Project)

Designed and developed a wearable hydration monitoring system integrated with a web application that enables real-time hydration tracking, water intake logging, personalized reminders, historical data visualization, and remote monitoring.

HRIS System

Internship Project

Developed a Human Resource Information System (HRIS) that centralizes employee management, attendance, payroll, recruitment, performance, and compliance reports. Key feature includes automated payroll computation through attendance module integration and configurable tax and government contributions through payroll settings.

CERTIFICATIONS AND ACHIEVEMENTS

Third Place – Best Capstone Project (2026)

ISITE International Conference on Innovation and Multidisciplinary Research

Recognized for HydraSense: An IoT-Based Wearable Hydration Monitoring System with Web-Based Real-Time Analysis.

Computer Systems Servicing Tesda NC II | 2024

Completed 286+ hours of training in diagnosing, repairing, and maintaining computer hardware and software.

DataSense Data Analytics | 2025

Completed comprehensive training in data fundamentals, including data collection, cleaning, manipulation, and visualization.

SOFT SKILLS

- Problem Solving
- Analytical Thinking
- Adaptability
- Flexibility
- Team Building
- Continous Learning