


EARL JAN H. DO

Fullstack Systems Developer

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WORK EXPERIENCE

FREELANCE WEB DEVELOPER | Nov 2022 – Present

- Developed web-based applications including **clinic appointment systems, DTR systems, and SMS blast platforms** using **Laravel, PHP, MySQL, Blade, and JavaScript**.
- Implemented **role-based authentication and access control** to enhance system security.
- Built **QR code-based attendance and user authentication feature integration**.

NETWORK SPECIALIST INTERN, MIS Campus Area Network (SLSU MC) | Jan 2023 – May 2023

- Assisted in the installation of **fiber optic infrastructure** for the **Smart Campus Project**.
- Managed **Active Directory deployment and remote support** using AnyDesk.
- Installed **network cabinets, Cisco routers, and RFID access systems** across campus facilities.
- Conducted equipment maintenance and **IT asset inventory management**.

ADMINISTRATIVE AIDE / IT ASSISTANT, LGU of Silago | Jun 2023 – Feb 2025

- Performed **Active Directory administration, domain joining, software deployment, and network troubleshooting**. Provided **IT support and server maintenance**,

JR. SYSTEMS DEVELOPER, Avega Bros. Integrated Shipping Corp. | April 2025 - Present

- **Backend Developer** for the current project **ABAS v3 API** the company's ERP system.
- Emplimented **JWT, Auth, RBAC and REST API's with Swagger UI integration with workflow business logic** using **NestJs framework** for the backend development with PostgreSQL.
- **Develop, maintain and update** the current **ABAS v2 monolithic ERP System on CI3 on MySQL**
- Utilizing this tools for my development: **Git Fork, Gitea, Docker, VS Code, and Postman**.
- During my time here in **Avega** I have also develop several projects **intentional or up-skill projects**, for me to **up-skill and broaden and to lay more solid foundation** on what I have already understand.

TRAINING AND CERTIFICATION

National Certificate II – Computer System Servicing

- Certified in computer hardware servicing, network and server administration, **Active Directory management, domain configuration, troubleshooting, and workplace safety practices**.

FEATURED PROJECTS

SLSU Main Campus - Clinic Appointment System | Laravel project | Render Deployment

- Implemented **role based authentication** feature to separate the clinic's client and the doctor.
- Use **MySQL database** to store data and information from the users.

Livestock Profiling and Management System - Web/Mobile App | Laravel project | Render Deployment

- Added **QR Code** feature for the unique identification of livestock enrolled in the system and for a seamless way of locating a certain livestock.
- Set up **CRUD API** for Livestock Enrollment to the system.

QR Attendance | Laravel project | Render Deployment

- Added **event management and attendance** for the participants and added **email notification** feature.
- Added QR management for student and faculty side.

ERP API | NestJs project | Render Deployment

- Implemented and integrated **JWT with session cookies, with RBAC using middleware, guards and CASL ability decorator and global validation**.
- Added multi module **RESTFUL API's** from **Auth, Administrator, Manager, Human Resources, Mastertable and Employee Dashboard** and etc. These modules are still in early phases of development but is now utilized in **front-end development**. The API's are integrated with **Swagger UI**.
- Implemented **workflow business logic** with module service's API's such as **HR transaction moving forward to Managers approval** etc.

ShopStack Fullstack E-Commerce | Shopify based project | NextJs/Prisma | |Netlify Deployment

- With the aim of expanding and broaden my knowledge and on hand experience, I develop this **E-Commerce management system**, it features **storefronts for sellers, large choices of products for buyers** and is supervised and monitored by an Administrator.

EDUCATION

SOUTHERN LEYTE STATE UNIVERSITY

Bachelor of Science in Information Technology

May 26, 2023