CONTACT

Mobile
09915241880

Email
rodzrianzares@gmail.com

LinkedIn
rodnel-rianzares

GitHub
github.com/rodzpogi

TECHNICAL SKILLS

Core Backend
Vanilla PHP, MySQL, RBAC

Algorithmic Logic
ABC Analysis, ROP Algorithm

Frontend
React.js, Framer Motion, JS

Environment
Git, XAMPP, NPM, Vite

EDUCATION

BS Computer Science
Saint Francis of Assisi College
Graduation: June 2026

RODNEL M. RIANZARES

Junior Software Developer

PROFESSIONAL SUMMARY

Full-stack developer focused on bridging foundational server-side logic with high-end frontend interactivity. Expert in building data-driven systems using **Vanilla PHP and MySQL**, complemented by dynamic **React** interfaces. Specializing in algorithmic optimization for inventory and supply chain logic, rooted in a strong academic foundation from Saint Francis of Assisi College.

FEATURED PROJECTS

Laboratory Inventory Management System
Vanilla PHP • MySQL • ABC Analysis • ROP Algorithm

- Developed a **Hybrid Intelligent ABC Analysis Algorithm** for prioritized item classification.
- Integrated a **Reorder Point (ROP) Stock Alert Algorithm** to automate supply notifications and eliminate stockouts.
- Implemented **Role-Based Access Control (RBAC)** to ensure secure data hierarchy and permission management.

Modern POS System (In Progress)
React.js • Framer Motion • PHP API

- Engineering a high-performance POS using **React** and **Framer Motion** for physics-based UI transitions.
- Building a robust backend logic to handle real-time transactions and inventory synchronization.

RESEARCH

Optimizing Laboratory Supply Management: Addressing Stockouts and Overstocking Through System Enhancement

Lead Researcher | Saint Francis of Assisi College

Developed the theoretical framework for ABC/ROP algorithms to balance inventory levels, directly resulting in the implementation of my Laboratory Management System.