John Vincent G. Laylo

Full Stack Developer & Business Analyst Batangas, City of Lipa, Philippines (GMT+8) |
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PROFESSIONAL SUMMARY Results-oriented Developer and Business Analyst with a specialized focus on bridging the gap between technical complexity and business goals. Experienced in building scalable full-stack applications using MERN and PERN stacks with a strong emphasis on data integrity and user experience. Proven track record of delivering centralized management systems that automate workflows, reduce data redundancy, and improve operational visibility. Currently focused on advanced Next.js patterns and design systems.

TECHNICAL SKILLS

- **Frontend:** React.js, TypeScript, Tailwind CSS, Bootstrap, HTML5, CSS3, Figma (UI/UX).
- **Backend:** Node.js, Express.js, Python.
- **Database:** PostgreSQL, MongoDB, MySQL.
- **Tools & DevOps:** Git/GitHub, VS Code, Google Colab.
- **Core Competencies:** Business Analytics, REST APIs, RBAC (Role-Based Access Control), System Analysis & Design.

PROJECTS

InvenTrack | GSO Inventory Management System Full Stack Developer | Stack: PostgreSQL, Express, React, Node.js, Tailwind CSS

- **The Challenge:** Addressed critical inefficiencies in manual inventory monitoring which caused data redundancy and inaccurate stock records during audits.
- **The Solution:** Engineered a centralized web-based inventory system featuring real-time stock level monitoring and automated report generation.
- **Impact:** Digitized the entire asset lifecycle, significantly reducing audit time and eliminating manual data entry errors. Implemented instant item search and filtering to enhance workflow velocity.

QRoom | Campus Room Management System Full Stack Developer | Stack: MySQL, Express, React, Node.js, Bootstrap

- **The Challenge:** Solved the lack of visibility regarding campus room availability, which complicated class scheduling and resource tracking.
- **The Solution:** Developed a centralized dashboard integrating QR scanning technology for instant status updates and a utilization analytics board.
- **Impact:** Provided real-time visibility into room status and condition reporting, enabling data-driven decisions for campus facility management.

RBAC Admin Dashboard Open Source Maintainer | Stack: MERN Stack, JWT

- Developed a secure, reusable boilerplate for MERN applications featuring robust Role-Based Access Control (RBAC) and JWT authentication, accelerating development time for secure admin panels.

SoundSprint Mobile Developer | Stack: Flutter, Dart

- Contributed to the UI state management and cross-platform responsive layouts for a Flutter-based mobile application, ensuring a seamless user experience across devices.

PROFESSIONAL EXPERIENCE

Freelance Technical Consultant Self-Employed | 2022 – Present

- **Technical Solutioning:** Provide on-demand technical solutions for small businesses and academic clients, adapting quickly to diverse tools and requirements.
- **Scripting & Automation:** Utilize Python and Google Colab to automate data processing tasks, increasing efficiency for client data workflows.
- **Network Engineering:** Configure complex network topologies and simulations using Cisco Packet Tracer to validate network architecture requirements.
- **Documentation & Research:** Author comprehensive system documentation and conduct requirements analysis to translate client needs into actionable technical specifications.

EDUCATION

Bachelor of Science in Information Technology Major in Business Analytics Batangas State University

- **Focus:** Specialized in data-driven decision-making, bridging raw data with actionable business insights through full-stack development.
- **Key Coursework:** Enterprise Data Management, Analytics Modeling, Systems Analysis & Design, Technopreneurship.