Clark John R. Busuego

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Experience

System Developer April 2025 - Present

CLSU - Management Information Systems Office *Science City of Muñoz, Nueva Ecija, PH*

- Developed a web-based information management system for the University Business Affairs Program, digitizing operational workflows and centralizing project-related records.
- Collaborated with stakeholders to gather requirements, refine workflows, and implement features aligned with actual office processes.
- Deployed and maintained the system in production, resolving issues and implementing enhancements based on user feedback.

System Developer (Intern) March 2024 - June 2024

CLSU - College of Agriculture *Science City of Muñoz, Nueva Ecija, PH*

- Designed and developed a web-based faculty information management system for the College of Agriculture, centralizing faculty records that were previously maintained through paper-based processes.
- Developed an Excel-based data extraction tool to consolidate faculty information, reducing the need for manual data encoding.
- Implemented customizable report generation and printing functionality, enabling users to generate standardized records directly from information stored in the system.

Projects

Business Affairs Strategic Information System Live

- Developed a production information management system that centralizes the recording, tracking, and management of University Business Affairs Program (UBAP) projects.
- Implemented a predefined-query chatbot that enables users to quickly retrieve project performance information without manually reviewing individual project records.
- Designed and implemented a GIS-based Rice Module for mapping crop fields, monitoring field progress, and managing harvest records.
- Automated the application's deployment workflow using GitHub Actions, replacing repetitive manual deployment steps with an automated deployment pipeline.
- **Technologies:** Laravel, Livewire, Alpine.js, Leaflet.js, Spatie Laravel Permission, MySQL, GitHub Actions, Git

Faculty Information System

- Developed a centralized faculty information system using Laravel, React, and Inertia.js, enabling faculty members to manage their information and generate printable records.
- **Technologies:** Laravel, React, Inertia, MySQL, GitHub

Project Emergency Alert and Response System (Desktop)

- Developed an Electron-based desktop application that receives and displays emergency alerts from a companion mobile application using Firebase for real-time data synchronization.
- **Technologies:** React, Electron.js, Express.js, Firebase, GitHub

Technical Skills

Languages: JavaScript, TypeScript, PHP
Frameworks Libraries: Laravel, Livewire, React, Alpine.js, Express.js, Tailwind CSS, Leaflet.js
Database: MySQL
Tools Platforms: Git, GitHub, GitHub Actions, Node.js, Firebase, VS Code
Libraries: React
Design: Figma, Draw.io

Education

BS in Information Technology - Systems Development July 2020 - July 2024

Central Luzon State University *Science City of Muñoz, Nueva Ecija, PH*