

Clark John R. Busuego

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EXPERIENCE

Full Stack Developer (Intern)

March 2024 - June 2024

CLSU - College of Agriculture

Science City of Muñoz, Nueva Ecija, PH

- Developed the system's front-end using **React** and designed its UI on **Figma** based on client's requirements.
- Utilized Inertia.js to create the system a monolith application with Laravel and **React**.
- Designed and developed a printable information feature that enables faculty members to generate and customize their information to be printed.
- Developed the CRUD functionality for faculty members that allows them to customize their information.
- Integrated **MySQL** with Laravel's eloquent ORM to manage data for faculty members, ensuring efficient data retrieval and relationships.

PROJECTS

Classroom Management System

October 2024 - March 2025

MongoDB, Express.js, React, Node.js, TypeScript, JWT, TailwindCSS, Github, RESTful

[Live](#) | [Github link](#)

- Developed and deployed a full stack application classroom management system using the MERN stack with **TypeScript** to lessen the difficulties of teachers by simplifying the process of computing student grades in an automated manner..
- Implemented **JWT** and cookie in the back-end for authentication and authorization to secure API endpoints.
- Utilized TanStack Query for handling API request and Zustand for state management to create a performant and maintainable data fetching solution.

Faculty Information System

April 2024 - June 2024

Laravel, React, Inertia, MySQL, phpMyAdmin, Github, MVC

[Github link](#)

- Developed a full stack application using Laravel and **React** that enables all faculty members of the college of agriculture to input and print their relevant information to make it easier to gather in one place.
- Utilized **Inertia.js** to make the system a single-page application possible with **React** and Laravel.
- Used **MySQL** on phpMyAdmin to set up database schemas, tables, and relationships and integrated it with Laravel's Eloquent ORM

Project Emergency Alert and Response System (Desktop)

Jan 2024 - March 2024

React, Electron.js, Express.js, Firebase, Github, SPA

[Github link](#)

- Developed a desktop application that receives emergency alerts or messages from the mobile application using **React**, Electron and Firebase.
- Implemented a simple GIS using Leaflet.js library to track the location of emergencies sent by mobile users.
- Utilized firebase for real-time database, manage users sessions using its authentication feature and send notifications using functions.
- Deployed and developed an express server for firebase-admin functions on render to execute the notification functionality of the application.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, PHP

Frameworks: Laravel, Node.js, Express.js, TailwindCSS

Database: MySQL, MongoDB, Firebase

Developer Tools: Git/Github, VS Code

Libraries: React, Axios, TanStack

Design Tools: Figma, Draw.io

EDUCATION

BS in Information Technology - Systems Development

July 2020 - July 2024

Central Luzon State University - GPA 1.75 (Cum Laude)

Science City of Muñoz, Nueva Ecija, PH