John Lorenz Mayo

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Banaybanay, Lipa City, Batangas

PROFILE SUMMARY

An aspiring front-end/full stack web and software developer, IT Staff/Engineer/Analyst with relevant proficiency and experience in various technologies through university projects and internship.

EDUCATION

Bachelor of Science in Information Technology *2021-2025*

Major: Business Analytics

Batangas State University TNEU - Lipa Campus

EXPERIENCE

Website Developer and Maintenance Intern
BatStateU KIST Park Office, STEER HUB Building, BatsStateU-TNEU - Alangilan Campus

Maintained and enhanced the **KIST Park website** *(firstkistpark.com)* to improve functionality and user experience across devices. Designed and implemented additional pages to provide essential information for future locators and STEER Hub service users. Developed a responsive and user-friendly UI. Created a **MERN (MongoDB, ExpressJs, ReactJs, and NodeJs)** stack web application to streamline blog content management and facilitate easy blog posting on the website.

PROJECTS

Parts Procurement System Integrated with Predictive Data Analytics
4th Year Project, Capstone Project

Developed a **MERN Stack** Parts Procurement System, a web based application using **MongoDB** for the database, **Express.js** for the backend, **ReactJs** for the frontend, and **Node.js** for the server environment. Integrated with **Tensorflow JS Node** for predictive data analytics using **JavaScript**, enabling detailed analysis of procurement trends, and sales and expenses performance. Hosted online, the system enhances decision-making and operational efficiency.

RGO-Lipa Inventory Management System with Stock Viewing Dashboard
3rd Year Project, System Integration and Architecture

Developed an inventory management system with distinct roles for Admins, Employees, and Clients (students). Built using **HTML, CSS, JavaScript, PHP, SQL,** and **Tailwind CSS** for styling, with **AJAX** jQuery for dynamic functionality. The database is managed via **PHPMyAdmin** in XAMPP.

WakeNav: Alarm Navigation Flutter Application
4th Year Project, Application Development and Emerging Technologies

Developed Wakenav, a location-based alarm app using **Flutter** to help travelers avoid missed stops. Leveraging **GPS technology**, it tracks real-time location and triggers an alarm when approaching a set destination, allowing users to relax or nap without worry.

TECHNICAL SKILLS

- HTML, CSS and Javascript
- PhpMyAdmin SQL, MongoDB
- React, Node.js, Next.js
- RESTful APIs
- OAuth2 and JWT

- Proficiency with Python, PHP and .NET
- Git version control
- Glsl and ThreeJs
- Familiar with C and C++

- Operating Systems: troubleshooting and installation
- Software testing and configurations
- Object Oriented Programming
- Firmware Embedded Software
- Matlab and Visual Basic

REFERENCE

Ryndel Amorado, DIT
Dean, College of Informatics and Computing Sciences
Batangas State University TNEU - Lipa Campus

Honey Lyn Tirador
Project Development Officer, BatStateU KIST Park
STEER Hub Building, BatStateU TNEU - Alangilan Campus