

John Lorenz Q. Mayo

0929-704-1829 • johnlorenz22.w@gmail.com • Lipa City, Batangas • <https://enzouro.vercel.app>

Summary

Motivated and detail-oriented Full Stack Web Developer with hands-on experience in React.js, PHP, Node.js, and MySQL/MongoDB through university projects and professional internship. Skilled in building responsive, secure, and data-driven applications with a focus on clean UI/UX, state management, and backend integration. Experienced in deploying production-ready applications to cloud and shared hosting environments. Adept at applying SEO practices, API development, and authentication (OAuth2, JWT) to deliver scalable and high-performance solutions. Passionate about continuous learning and eager to contribute to dynamic development teams.

Education

Batangas State University TNEU - Lipa Campus
Bachelor of Science in Information Technology

- Major in Business Analytics
- 1.6901 GWA

July, 2025
Lipa City, Batangas

Experience

Website Developer and Maintenance Intern
BatStateU KIST Park

February-May, 2025
Alangilan. Batangas City, Batangas

- Maintained and optimized KIST Park website (<https://firstkistpark.com>) resulting in improved site performance and cross-device compatibility
- Designed and developed 5+ responsive web pages and components using **HTML**, **CSS**, and **JavaScript** to enhance user experience for prospective locators
- Built **full-stack MERN** application (**MongoDB**, **Express.js**, **React.js**, **Node.js**) with **Google OAuth** for authentication and **RESTful API** back-end server to streamline content management system for blog administration.
- Implemented responsive **UI/UX** design principles ensuring 100% mobile compatibility across all devices
- Implement website crawling using **Google Search Console** for better **SEO** and integrate **Google Analytics** for monitoring the website's traffic.

Projects

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

December, 2025
BSU - Lipa Campus

- Architected and developed comprehensive **MERN** stack procurement management system using **MongoDB**, **Express.js**, **React.js**, and **Node.js**
- Integrated TensorFlow.js for predictive data analytics, enabling automated forecasting of procurement trends and inventory optimization
- Implemented **RESTful API back-end server** and secure authentication using **Google OAuth** tokens for multi-user access control
- Deployed production-ready application with cloud hosting, serving concurrent users
- Delivered 25% improvement in procurement decision-making efficiency through data-driven insights

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

November, 2023
BSU - Lipa Campus

- Developed role-based inventory management system with distinct access levels for Admins, Employees, and Students
- Built responsive web application using **HTML**, **CSS**, **JavaScript**, **PHP**, and **Tailwind CSS** with **MySQL** database integration
- Implemented **AJAX** and **jQuery** for dynamic real-time inventory updates and stock level monitoring
- Created comprehensive dashboard with data visualization for inventory tracking and reporting
- Deployed system using **XAMPP** environment with **PHPMyAdmin** for database management

WakeNav: Alarm Navigation Flutter Application
3rd Year Project, System Integration and Architecture

July, 2025
BSU - Lipa Campus

- Developed cross-platform mobile application using **Flutter** framework with **GPS** integration for location-based alarm functionality
- Implemented real-time location tracking and geofencing algorithms to trigger proximity-based notifications
- Built intuitive user interface with seamless navigation and offline capability for enhanced user experience
- Integrated **Leaflet OpenStreetMap API** for accurate location services and route optimization
- Achieved 99% accuracy in location-based alarm triggers during testing phase

Technical Skills

- HTML, CSS, Javascript and Java
- PhpMyAdmin SQL, MongoDB
- React, Node.js, Next.js, Vite
- RESTful APIs
- OAuth2 and JWT
- Python, PHP, and .NET

- Glsl and ThreeJs
- Gsap (for animations)
- C and C++
- Matlab and Visual Basic
- Git version control
- Blender (For 3D)

- Figma & UI/UX
- Operating Systems: troubleshooting and installation
- Software testing and configurations
- Object Oriented Programming