

Ehnand Azucena

Systems and Database Specialist

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<https://blank0810.github.io/ehnand-azucena/>

Dedicated and detail-oriented Full Stack Developer and Database Specialist with a solid foundation in software development and database systems. Proven ability to develop efficient and secure systems, streamline operations, and enhance user experience. Proficient in both backend and frontend technologies with experience in deploying scalable, cloud-based applications. Passionate about creating innovative solutions that drive operational success.

Professional Experience

IT Specialist

Jul 2024 – Jan 2025

Eduquest | Cagayan De Oro City, Northern Mindanao, Philippines

Responsible for system maintenance, user support, and documentation for the Learning Management System (LMS). Gathered user feedback, conducted training, performed data analysis, and tested new features to improve usability and system quality.

- Responsible for system maintenance and regular technical support for users.
- Documented system workflows and processes for the Learning Management System (LMS).
- Collected and analyzed user feedback from teachers, providing actionable insights to improve LMS usability.
- Conducted orientations and training sessions for teachers from various schools on system usage and new features.
- Performed data analytics to monitor usage trends and inform feature development.
- Regularly checked, tested, and provided feedback on new LMS functionalities to ensure quality and efficiency.

System And Database Specialist

Jan 2024 - May 2024

MORESCO-1 | Poblacion, Laguindingan, Misamis Oriental

I contributed to the development of the M1-HRIS employee module and M1-Helpdesk system, optimized databases, ensured system reliability through maintenance and testing, supported security measures, and documented processes to enhance collaboration and knowledge sharing.

- Developed the employee module for M1-HRIS, covering backend and frontend implementation.
- Acted as a key developer for the M1-Helpdesk system, delivering a user-friendly experience.
- Contributed to database design, optimization, and administration tasks.
- Supported system maintenance, testing, and debugging, ensuring high-quality deployments.






- Assisted in system security measures, audits, and data migration strategies.
- Participated in documenting system architecture and processes, enhancing knowledge sharing.

Recent Works

Weather Forecasting Application

Jan 2025 – Feb 2025

Developed a Weather Forecasting Application to provide real-time weather updates and a 5-day forecast. Built with React (TSX), OpenWeather API, and ShadCN for a modern UI. Utilized GitHub for version control and deployed on Vercel.

-  Real-time Weather Data - Get live weather conditions based on your location or search.
-  5-Day Forecast - View upcoming weather trends.
-  Geolocation Support - Automatically fetches weather data based on your current location.
-  ShadCN UI Components - Modern and accessible UI elements.
-  Dark Mode Support - Seamless light/dark mode switching.

EduTracker System

Jul 2024

Developed the EduTracker system to monitor course dissemination to school clients and automate report generation based on parameters. This system reduced manual reporting time by 40% and enhanced efficiency in course distribution and monitoring. Utilized GitHub for version control, Apache for local deployment, Google Sheets API, Gmail API, Laravel, and MySQL.

- Streamline Reporting - Automated report generation based on specific parameters to improve operational efficiency.
- Technology Stack - Utilized GitHub for version control, Apache for local deployment, Google Sheets API, Gmail API, Laravel, and MySQL.

Email Automation Script

Jul 2024

Created a custom Python script utilizing the MXroute API to automate email creation for bulk user accounts in our LMS. This script reduced setup time by 70% and ensured consistent account configuration. Implemented using native Python and the MXroute API.

- Time Efficiency: Reduced setup time by 70%, streamlining the process of account configuration.
- Technology Implementation: Implemented using native Python and integrated with the MXroute API for seamless automation.

M1 – WEB HRIS (MORESCO-1 Human Resource Information System)

Jan 2024 - Jun 2024

Developed a real-time, cloud-based HR management system designed for secure and accessible data from any location. Utilized cloud technology to strengthen data integrity, improve system flexibility, and ensure reliable performance.

- Cloud Based Application
- Developed a secure, real-time HR management system accessible from any location.
- Leveraged cloud technology to ensure data accessibility and integrity, enhancing flexibility and reliability.

M1-Helpdesk System

Jan 2024 - Jun 2024

A centralized helpdesk solution designed for MORESCO-1's internal technical support management. The system facilitates ticket tracking, issue resolution, and support request management, enhancing communication between IT staff and employees. Deployed through VMWare for seamless integration with existing infrastructure.

- Streamlined ticket tracking and issue resolution for improved efficiency.
- Enhanced IT staff and employee communication through centralized support management.
- Designed for seamless deployment using VMware to integrate with existing systems.
- Ensured secure data handling and real-time accessibility for technical support tasks.

DESKTOP HUMAN RESOURCES INFORMATION SYSTEM

Aug 2023 - Jan 2024

A desktop application designed to optimize HR operations by integrating secure, efficient database management for employee records and payroll processes. The solution significantly streamlined workflows, improved data accessibility, and ensured operational integrity.

- Type: Desktop Application
- Designed and optimized the database for secure storage and efficient data retrieval.
- Streamlined HR processes, employee record management, and payroll handling, improving operational efficiency.

FILE REPOSITORY SYSTEM

Aug 2023 - Nov 2023

Developed a cloud-based system to revolutionize file storage and retrieval through secure, real-time access. The platform boosted organizational efficiency while providing scalable, reliable solutions to meet evolving data management needs.

- Type: Cloud-Based Application
- Built a platform for secure file storage, retrieval, and management with real-time access.
- Improved organizational efficiency and ensured secure, scalable storage solutions.

MEDICAL DIAGNOSTIC EXPERT SYSTEM

Jan 2022 - May 2022

Engineered a web-based diagnostic platform for healthcare professionals, combining accessibility and precision to support medical decision-making. Its device-agnostic design ensured seamless usability, enabling efficient diagnoses and tailored treatment recommendations.

- Type: Web-Based Application
- Created a platform for healthcare professionals to diagnose conditions and recommend treatments.
- Designed for seamless access from any device, ensuring accessibility and flexibility in medical decision-making.

Core Skills

Programming & Frameworks: PHP/Laravel, Tailwind CSS, React JS, JavaScript, HTML, CSS, C#/C#.NET Framework,

Databases: SQL Server, MySQL, PostgreSQL, SQLite, Transact-SQL,

Other Technical Skills: Database Design and Administration, Network Design, Virtual Machines (VM),

Tools & Technologies: Git, Cloud Technology, System Security, Data Analytics, Technical Documentation

Education

Mindanao State University-Naawan

Bachelor of Science- Information Technology | Database Systems

Initao National Comprehensive High School - Senior High School

Diploma | Humanities and Social Sciences

Initao National Comprehensive High School - Junior High School

Diploma | Junior High School

Initao National Comprehensive High School - Junior High School

Diploma | Junior High School

Awards

Latin Honor - Cum Laude

Mindanao State University - Naawan

Jul 2024

With High Honors

Initao National Comprehensive High School

Jul 2019

Certificates

Advanced React

Meta

January 2025

React Basics

Meta

January 2025

JavaScript Algorithms & Data Structures

freeCodeCamp

December 2024

Responsive Web Design

freeCodeCamp

December 2024

CSX Cybersecurity Fundamentals Certificate (CSXF)

Cybrary

August 2023

Civil Service Eligibility

Civil Service Commission

Blue Teaming Internship

Virtual Cyber Labs

January 2023

Technical Support Fundamentals

Google

November 2022

Intrusion Detection Setup

Virtual Cyber Labs

October 2022