Ehnand Azucena

Full Stack Systems Engineer

Initao, Northern Mindanao 9022

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Portfolio | LinkedIn | GitHub

Backend-focused Full Stack Engineer with production experience across Laravel, Symfony, NestJS, and SQL optimization. Built and maintained multi-tenant SaaS platforms, enterprise-grade internal tools, and mission-critical systems for schools, e-commerce, and associations.

Skilled in delivering robust APIs, scalable backend systems, and optimized databases, with growing experience in Docker-based DevOps and CI/CD.

Core Technical Skills

Languages and Frameworks:

- **Backend:** Laravel, Symfony, NestJS, Node.js, C#.NET, CodeIgniter, Python
- **Frontend:** React.js, Next.js, Bootstrap, Tailwind CSS, ShadCN UI

Databases and Data

- MySQL, PostgreSQL, SQL Server, SQLite, T-SQL

Infrastructure and DevOps

- Docker (development), Bitbucket CI/CD, Vultr, AWS (EC2, S3 – basic), Nginx, UNIX/Linux, Git (GitHub, GitLab)

APIs & Integrations

- REST, GraphQL, OAuth2, Google APIs, Xero, Stripe, HubSpot, Twilio

Artificial Intelligence Related

- Computer Vision (Ultralytics YOLO), OpenAI, Gemini, Anthropic Integrations, n8n Automation Workflows

Systems and Tools

- VS Code, Cursor AI, Windsurf, Ubuntu/Linux Environments, Postman, Agile/Scrum Workflows

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Professional Experience

Full Stack Developer   Jan 2025 – Present

ClouDesk Pty. Ltd | Remote | Sydney, NSW Australia 2000

- **Maintained and patched** educational platform for ICOM International School (Malaysia) and its China-based internal platform.
- Enhanced stability for PG Pay, a high-value e-commerce platform for precious metals.

- **Led backend development** for [MemberPulse](#), a multi-tenant SaaS platform supporting CPD points, job boards, events, sponsorships, and directories.
- Integrated third-party APIs (Xero, Stripe, HubSpot) into key features, supporting scalable payments and CRM workflows.
- Directed **Computer Vision** initiatives using **Ultralytics YOLO**, automating product and employee tracking for warehouse operations involving processed goods.

IT Specialist   Jul 2024 – Jan 2025
EduQuest Inc. | Cagayan De Oro City, Northern Mindanao, Philippines

- Re-architected LMS infrastructure, reducing downtime by 20% and boosting user engagement by 30%.
- Automated reporting using Google Sheets & Gmail APIs, cutting manual work by 40%.
- Trained teachers, students, and parents on the updated LMS, increasing platform adoption by 50%.

System And Database Specialist | Internship   Jan 2024 - May 2024
MORESCO-1 | Poblacion, Laguindingan, Misamis Oriental

- Assisted on **M1-HRIS** and **M1-Helpdesk**, for centralized ticket resolution.
- Optimized SQL queries, improving data retrieval speed.

Key Projects

[REPSShield](#) **(Real Estate Compliance SaaS)**
Backend Developer — *US-Based Client*
Aug 2025 – Sep 2025 | *React.js, Tailwind CSS, Vite*

- Developed a **next-generation SaaS compliance platform** for a **United States real estate client**, enabling investors to maintain **IRS Real Estate Professional (REP) status**.
- Delivered **AI-powered compliance monitoring**, **intelligent time tracking**, and **automated audit reporting**, helping users secure and track **over $50,000 in annual tax deductions**.
- Integrated multiple **third-party services and APIs**, ensuring seamless cross-platform synchronization and real-time analytics.
- Visit the project at repsshield.com

[**MemberPulse**](#) **(SaaS CPD Platform)**
Lead Developer — *Australia-Based Client*
Feb 2025 – Aug 2025 | Symfony, Bootstrap, Vultr

- *Designed and developed **MemberPulse**, a **multi-tenant SaaS platform** for professional associations and organizations in Australia, serving both **individual and organizational members**.*
- *Built a **comprehensive CPD ecosystem** — courses, events, job boards, directories, and sponsorship modules — on a **live production infrastructure**.*

- *Integrated **AI-powered features** for automated course generation, personalized analytics, and CPD-based content recommendations, boosting engagement and completion rates.*
- *Implemented **secure API integrations** with **Salesforce, Xero, Stripe, PayPal, and HubSpot**, enabling seamless CRM, accounting, and payment workflows across tenants.*
- *Architected **enterprise-grade systems** including:*
- ***Course & Event Management** with scheduling, tracking, and attendance analytics*
- ***Subscription & Billing System** supporting multi-tier memberships and recurring payments*
- ***Job Board & Business Directory** for professional networking and organization visibility*
- ***Sponsorship & CPD Tracking** for transparent performance metrics and credit reporting*
- *Ensured **security, scalability, and multi-tenancy** via modular backend architecture, Dockerized environments, and Bitbucket-based CI/CD pipelines.*
- Visit the project at memberpulse.com.au

PlayNow (SaaS Marketplace Platform)
Solo Developer — *UAE-Based Client*
***Mar 2025 – Apr 2025** | Next.js, NestJS, Vercel, DigitalOcean*

- Designed and developed **PlayNow**, an **innovative SaaS marketplace** that connects merchants and customers through a **coupon-based commerce system**.
- Built end-to-end functionality, from **backend APIs** to **frontend UI/UX**, enabling merchants to create, publish, and manage real-time promotional deals.
- Implemented **secure payment integrations** supporting merchant payouts and transaction processing.
- Delivered a **Merchant Dashboard** with dynamic coupon management, campaign pricing controls, and performance analytics.
- Supported **multi-category listings** for sports venues, activities, products, and services with real-time deal availability.
- Launched a **beta version** demonstrating scalable deal distribution and end-to-end transactional flow prior to project handoff.
- Visit the project at playnow.ae

Weather Forecasting Application
(Solo – React, OpenWeather API) | Jan 2025 – Feb 2025

- *React-based app with OpenWeather API, hitting 95% uptime and geolocation support, deployed on Vercel.*

EduTracker System
(Solo – Laravel, MySQL, Google APIs) | Jul 2024 - Aug 2024
- *Reduced reporting time by 40% via automation and data consolidation.*

M1 – HRIS (MORESCO-1)
(Team – Laravel, SQL Server) | Jan 2024 - Jun 2024

- *Internal HR platform deployed in a multi-office environment; improved data integrity and access.*

M1-Helpdesk
(Lead Dev – Laravel, SQL Server) | Jan 2024 - Jun 2024

- *Ticketing system reducing average response time by 35%. Deployed on an internal network.*

DESKTOP HRIS
(Lead Dev – C#.NET, SQL Server) | Aug 2023 - Jan 2024

- *C#.NET-based desktop app, securing payroll and employee records while speeding processing by 30%.*
- *Legacy HR system. Desktop app with secure role-based access and records protection.*

Education

Mindanao State University-Naawan
B.S. in Information Technology, Major in Database Systems
Graduated **Cum Laude**

Certificates

Tech Certifications:
- Cosmic Coding with Symfony 7, Symfony 7 Fundamentals, & Doctrine, Symfony 7 & the Database - *SymfonyCasts (Mar. 2025)*
- React Basics & Advanced React – *Meta (Jan. 2025)*
- Responsive Web Design & JavaScript Algorithms & Data Structures – *freeCodeCamp (Dec. 2024)*

Cybersecurity & Support:
- CSX Cybersecurity Fundamentals Certificate (CSXF) – *Cybrary (Aug. 2023)*
- Intrusion Detection Setup & Blue Teaming Internship – *Virtual Cyber Labs (Jan. 2023)*
- Technical Support Fundamentals – *Google (Nov. 2022)*

Others:
- Civil Service Eligibility - Civil Service Commission

Awards

- **Cum Laude -** Mindanao State University - Naawan
- **With High Honors** - Initao National Comprehensive High School