Gerardo Medina Villalba

Software Analyst & Programmer | Full Stack Developer Specialist in IA, Laravel 12 & Data Analytics

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LinkedIn | **GitHub** | **Portfolio**

PROFESSIONAL PROFILE

Tech professional with a **double academic degree** in Software Analysis (UNAF) and Programming (UTN). I possess a **methodical and ingenious** track record, recently highlighted by **leading** the development of the SIGA-Formosa system with an excellent grade. I am **capable** of integrating technical precision with a strategic data-driven vision. With over 18 years of commercial experience, I have a **shrewd** capacity for conflict resolution and **perceptive** communication, being a professional **determined** to **deliver** solutions that optimize processes and provide real value to the community.

TECHNICAL EXPERIENCE & KEY ACHIEVEMENTS

SIGA-Formosa | UTN FRRe Final Project

- **Designed** and collaboratively developed a comprehensive academic management platform using **Laravel 12** and **PostgreSQL**.
- **Exceeded** client requirements by implementing a scalable and secure architecture, optimizing institutional management.
- **Identified** and resolved complex business logic challenges, ensuring data integrity.

Nexo Emprendedor | Polytechnic Scientific Hackathon

- **Led** the development of a digital ecosystem to connect entrepreneurs with investors during an intensive 24-hour session.
- **Implemented** cutting-edge features: **Biometric facial recognition** and an **AI virtual assistant**.
- **Integrated** a modern tech stack: Laravel 12, Livewire, PostgreSQL, Python (FastAPI), and AI models (Llama 3.1, Azure AI).
- **Ensured** inclusion through **accessibility** tools, achieving a functional system in record time.

AccesoWebMente Project | Inclusive UX/UI Developer

National Finalist at "Building a more accessible country" Hackathon

- **Performed** prototyping and development of a digital inclusion solution under **WCAG** guidelines, achieving national distinction.

Competencias Técnicas

• **Backend:** PHP (Laravel 12), Python (FastAPI, Django/Flask), Java, C++, PostgreSQL, MySQL.

• **Frontend:** JavaScript (Angular, React), Livewire, Tailwind CSS, Alpine.js.

• **IA & Cloud:** Azure OpenAI, Azure Cognitive Search, Llama 3.1, Azure AI Services, Docker.

• **Análisis de Datos:** Python (Pandas, NumPy), Looker Studio, Business Intelligence.

• **Especialidad:** Accesibilidad Web (WCAG), Ciberseguridad, Auditoría de Sistemas.

PROFESSIONAL BACKGROUND

Owner & Manager | Código Urbano | *2017 – Present*

- **Systematically managed** commercial operations and customer service for over 18 years, developing a shrewd business vision.
- **Digitized** internal processes to **improve** operational efficiency and end-user experience.
- **Transformed** sales data into strategic decisions, applying an **analytical and methodical** approach.

TECHNICAL SKILLS

- **Backend:** PHP (Laravel 12), Python (FastAPI, Django/Flask), Java, C++, PostgreSQL, MySQL.
- **Frontend:** JavaScript (Angular, React), Livewire, Tailwind CSS, Alpine.js.
- **AI & Cloud: Azure OpenAI**, Azure Cognitive Search, Llama 3.1, Microsoft Azure AI Services, Docker.
- **Data Analytics:** Python (Pandas, NumPy), Looker Studio, Business Intelligence.
- **Specialties: Web Accessibility (WCAG)**, Cybersecurity, Systems Audit.

EDUCATION & CERTIFICATIONS

- **A.S. in Programming** | UTN FRRe (Graduated 2025).
- **A.S. in Software Analysis & Design** | UNAF (Graduated 2024).
- **Azure AI Engineer Associate Bootcamp** | Código Facilito (Finished Oct 2025).
  - *Aligned with Microsoft AI-102 exam; **integrated** OpenAI and cognitive search solutions.*
- **Business Intelligence & Data Analytics** | Agency for Future Skills (Jul – Dec 2025).

- **Spanish & Guaraní:** Native.
- **English:** Basic (Level 1).

Links

Portfolio: https://portfolio-web-gerardo-medina.vercel.app
LinkedIn: https://www.linkedin.com/in/gerardomedinav
GitHub: https://github.com/Gerardomedinav

Scan to view full portfolio and technical demonstrations: