

Leroy Jeanpierre Perryman alemán

Systems Engineer | Backend & Automation Developer | Managua, Nicaragua | +505 77294573

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Systems Engineer with experience in backend development, process automation, API integration, and Linux infrastructure administration. Specialized in **Laravel, PHP, Python, and SQL**, with experience building enterprise applications, ETL processes, artificial intelligence solutions, web scraping, and management systems. I have worked with both modern technologies and legacy systems, participating in the development of solutions for public institutions and private companies. I am passionate about building scalable, secure, results-driven software.

PROFESSIONAL EXPERIENCE

SOLARSYS (Outsourcing)

Python Developer (Professional Internship) | Jan–Feb 2026

- Developed automation tools in Python for extracting information from web portals.
- Implemented web scraping processes using Playwright, Selenium, and Pyppeteer.
- Automated the collection, validation, and processing of data from multiple web sources.

Ecotec Nicaragua – Professional Services

Full Stack Developer (Project-Based Contract) | Aug–Oct 2025

- Developed an inventory management system for a company with multiple branches and a production plant using Laravel, FilamentPHP, MySQL, and Tailwind CSS.
- Implemented warehouse-level inventory control modules, role-based authentication, and product traceability to optimize logistics management.
- Designed an integration architecture between SQL Server and MySQL, enabling the synchronization and centralization of information across different systems.
- Developed ETL processes in Python to automate data migration and synchronization, reducing manual intervention and improving data consistency.
- Implemented the system deployment using FrankenPHP, optimizing the runtime environment for Laravel applications.

TiCloud – Professional Services

Backend and Automation Developer | Jun–Jul 2025

- Developed a conversational assistant for WhatsApp Business using n8n, Evolution API and language models (LLMs) to automate customer support.
- Designed automation flows integrating PostgreSQL, Redis, Qdrant and external APIs to manage conversational memory, contextual retrieval (RAG), and document processing.
- Optimized a critical API, reducing response time from 40 to 15 seconds (62.5%) and increasing response accuracy from 30% to 80% through optimized processing and contextual information retrieval.
- Implemented automated identity, coverage, and record validations through integrations with external services.
- Automated operational processes that reduced manual tasks and improved customer service workflow efficiency.

Ministry for the Promotion of Entrepreneurship (Formerly MEFCCA)

Systems Developer Analyst | May–Sep 2024

- Developed and maintained institutional applications based on Visual Basic and SQL Server 2012, implementing functional improvements, corrective maintenance, and updates to existing modules.
- Designed and optimized reports using Crystal Reports, adapting them to new operational requirements.
- Participated in the development of new projects using MySQL, contributing to the modernization of internal solutions.
- Administered Ubuntu servers and Apache and Nginx services, ensuring the availability of institutional applications.
- Recovered and reconfigured the institutional Postfix-based mail server following a security incident, restoring backups, configuring SSL/TLS certificates, and adjusting network configuration to restore service.
- Managed virtualized environments using VMware Workstation, providing support for multiple servers used by the institution.
- Managed version control using Git, GitHub, and GitLab in collaborative projects.

Financiera FAMA S.A

Process Quality Intern | Feb–May 2024

- Conducted risk-analysis-oriented audits of internal processes and information assets, identifying opportunities for improvement.
- Evaluated security controls and operational processes to strengthen risk management and compliance with institutional policies.
- Prepared technical documentation and operating procedures to standardize internal processes.
- Participated in continuous improvement initiatives focused on optimizing organizational process quality.

EDUCATION

Systems Engineering

Universidad Nacional de Ingeniería (UNI) | Managua, Nicaragua | Dec. 2023

High School Diploma, Sciences and Humanities

Instituto Nacional Primero de Mayo | Managua, Nicaragua | Dec. 2018

Certifications and Professional Development

Introduction to Programming with Transact-SQL | Microsoft Learn | Dec. 2024

Scrum Foundation Professional Certificate (SFPC) | CertiProf | Mar. 2023

Ethical Hacking (EH) | Deloitte, NUMU Academy | Dec. 2020

Technical Skills

Languages: PHP | Python | JavaScript | TypeScript | SQL | Visual Basic

Backend: Laravel | REST APIs | MVC

Frontend: Astro | Tailwind CSS | React Native | HTML | CSS

Databases: MySQL | PostgreSQL | SQL Server | Redis | Qdrant

Automation and AI: n8n | RAG | LLM | Evolution API | ETL | Web Scraping

Infrastructure: Ubuntu | Apache | Postfix | VMware Workstation | FrankenPHP | Railway | Vercel | Git | GitHub | GitLab