

Angelo Polgrossi

Backend & Full-Stack Developer

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PROFESSIONAL SUMMARY

Engineering student and developer focused on backend architecture, web platforms, and integrated IoT solutions. I design scalable databases, robust APIs, and administrative systems where reliability is critical. Experienced in bridging cloud software with physical hardware, I combine backend engineering with modern frontend stacks to deliver end-to-end products. Passionate about performance, automation, and building software that solves real-world business needs.

WORK EXPERIENCE

DIGITAL SYSTEMS EVOLUTION

Project Development Manager

Valencia, Venezuela | January 2026 – Present

Directed the development and technical strategy of a smart management suite (ONPASS, ONPARKING, ONRECON), connecting cloud software with physical hardware to automate access and facility control. I designed scalable hybrid infrastructures, integrating web applications hosted on AWS with local microcomputers and physical peripherals like sensors and barriers. My role involved implementing facial recognition and image processing systems using OpenCV and AI for automated identity verification. I managed the full product lifecycle applying KISS principles to avoid over-engineering, resulting in robust APIs and real-time data synchronization across platforms. I built management systems using PHP/Laravel, React, Inertia, TypeScript, and Python. ([ONPASS](#), [ONPARKING](#), [ONRECON](#))

- Architected hybrid cloud-to-IoT infrastructure for automated facility management.
- Implemented AI-driven facial recognition and image processing for identity verification.
- Optimized full-stack performance across web control panels and local operational modules.

EDITFY

Full Stack Developer

Barcelona, España | July 2025 – December 2025

Led the Full-Stack development and DevOps infrastructure of Editfy's core marketplace under a microservices architecture. I was responsible for building a robust RESTful API using PHP/Laravel and developing a scalable user interface utilizing Next.js, React, and TypeScript. My DevOps responsibilities included deploying and managing the application on AWS, configuring EC2 instances, Load Balancers, and SSL certificates to ensure high availability. I also implemented advanced integrations, including secure payment gateways with Stripe Connect, real-time communication via WebSockets (Stream.io), and an interactive chat assistant powered by Google Gemini AI, delivering a secure, high-performance platform.

- Engineered a microservices-based marketplace with PHP/Laravel and Next.js.
- Managed AWS cloud infrastructure including EC2 and Load Balancer configurations.
- Integrated Stripe Connect, WebSockets, and AI-driven chat assistants.

EZPASS

Full Stack Developer

Valencia, Venezuela | April 2023 – January 2026

Participated in the creation of a web platform and microcomputer network for accounting management and access control in residential areas and clubs. I acted as a Full Stack and Microcontroller Developer, building the [ezpass.cloud](#) platform using Laravel, Blade, JavaScript, Bootstrap, and MySQL following the MVC pattern. I integrated and deployed the platform with APIs for microcomputer communication, leveraging AWS services for scalability. I programmed in Python on Debian OS using OpenCV and developed a synchronization system between local and cloud databases to allow offline operations, while creating intuitive dashboards for simplified user management and reporting.

- Developed [ezpass.cloud](#) platform using Laravel, Blade, and MySQL.
- Programmed Python-based microcomputer software with offline synchronization capabilities.
- Designed intuitive dashboards for residential billing and user management.

COLEGIO DE ABOGADOS DEL ESTADO CARABOBO

Programming Analyst

Valencia, Venezuela | July 2022 – Present

Addressed complex challenges in data analysis, systems integration, and web support as a Programming Analyst. I conducted advanced data analysis and database management utilizing Microsoft SQL Server and created custom identification card issuance software for members using Python. I developed a web portal for billing and invoice queries and implemented Python scripts and APIs to seamlessly integrate billing and parking management systems. Additionally, I led the modernization and refactoring of the web platform using Nuxt.js and Vue.js, which significantly improved frontend performance, scalability, and the overall user experience for the organization. ([COLEABG Web Site](#))

- Modernized web platform frontend using Nuxt.js and Vue.js.
- Automated ID card generation and billing queries using Python and SQL Server.
- Integrated disparate billing and parking systems via custom APIs.

SERVER TECHNICIAN

ALCALDÍA DE NAGUANAGUA

Valencia, Venezuela | April 2021 – July 2021

Completed an IT department internship performing technical support and systems administration tasks. I provided hardware and software troubleshooting for the organization's computer systems and installed, configured, and maintained local communication networks to ensure stable connectivity. My responsibilities also included managing and maintaining the core database hosted on the organization's main server, ensuring data integrity and availability for administrative operations.

- Provided comprehensive hardware and software technical support.
- Maintained local communication networks for stable connectivity.
- Administered core organizational databases on primary servers.

EDUCATION

UNIVERSIDAD JOSÉ ANTONIO PÁEZ

Computer engineering

San Diego, Venezuela | October 2022 – June 2026

Computer engineering student focused on software architecture, systems integration, and hardware-software interaction.

CERTIFICATIONS

- [Docker Essentials: A Developer Introduction](#) — IBM · March 2025
- SQL — OpenBootcamp · March 2023
- PHP — OpenBootcamp · March 2023
- Desarrollo de Apps Móviles — Google Actívale · June 2022
- [PROGRAMACIÓN BÁSICA](#) — Platzi · June 2022

SKILLS

- **Technical:** Javascript · Next.js · React · Vue · Nuxt.js · TypeScript · Laravel · PHP · Python · SQL · MySQL · PostgreSQL · SQL Server · Docker · AWS · EC2 · Linux · Nginx · Arduino · ESP32 · Raspberry Pi · OpenCV · Prisma ORM · Tailwind CSS · Git
- **Soft skills:** Technical Leadership · Problem Solving · System Architecture Design · Agile Methodologies · Cross-functional Collaboration
- **Languages:** Español Nativo · Inglés