

Hernán Agudelo López

Pereira, Risaralda, Colombia | Open to Relocate – San Diego, CA

Email: hernanagudelodev@gmail.com | Phone: +57 314 355 0599

LinkedIn: www.linkedin.com/in/hernan-agudelo | GitHub: github.com/hernanagudelodev

Backend & Systems Engineer | Python/Django, REST APIs, PostgreSQL | Embedded & Automation | C2 English

Summary

Multidisciplinary Backend & Systems Engineer with 16+ years of experience spanning backend software development, industrial automation, and systems integration. Proven ability to deliver reliable, scalable solutions by bridging the gap between hardware and software.

Creator of a real estate SaaS platform currently in beta with active clients, built with Python/Django, PostgreSQL, and Docker, featuring property inventory management, digital signatures, authentication, and analytics dashboards.

Formerly led a 45-year-old business through full digital transformation, applying engineering principles to streamline operations and boost revenue by 500%.

Strong foundation in system design, process automation, and backend architecture, with hands-on experience in SCADA, PLCs, and instrumentation.

Tech: Python · Django · PostgreSQL · REST APIs · Docker · Git
Languages: English (C2) · Spanish (native)

Featured Projects: Explore my SaaS, backend, and automation work in the Featured section below or directly on my GitHub: github.com/hernanagudelodev

Professional Experience

Real Estate SaaS Platform – Founder & Lead Developer
Jul 2024 – Present | Pereira, Colombia

- Designed and implemented the platform using Python/Django, PostgreSQL, Docker, with automated CI/CD on Railway.
- Key features: property inventory management, digital signatures, secure user authentication, and analytics dashboards.

- Led the full product lifecycle: requirements gathering, architecture design, development, deployment, and client onboarding.
- Currently in beta testing with active clients, validating product-market fit prior to scaling.

Amparalo Ltda – General Manager

Jul 2016 – Jun 2024 | Pereira, Colombia

- Directed the operations of a 45-year-old insurance brokerage, applying an engineering mindset to modernize business processes.
- Led a full digital transformation, transitioning all workflows from paper-based to fully electronic systems.
- Implemented and integrated digital platforms to improve process efficiency, regulatory compliance, and customer service.
- Achieved 500% revenue growth through technology-driven process improvements and strategic business management.
- Managed cross-functional teams and oversaw technology adoption aligned with business goals.

TIPIEL – Instrument and Automation Specialist

Dec 2010 – Jul 2015 | Bogotá, Colombia

- Delivered industrial automation and instrumentation solutions for large-scale oil & gas projects across Latin America.
- Produced engineering documentation for SCADA, DCS, PLCs, and field instrumentation.
- Collaborated in multidisciplinary, multinational teams on projects such as Etileno XXI (Mexico) and Gasoducto Sur Peruano (Peru).
- Provided on-site technical support for validation, commissioning, and integration of automation systems.

Varsity Software, Inc. – .NET Development Engineer

Jan 2011 – Jan 2012 | Bogotá, Colombia (Remote)

- Developed and maintained enterprise applications using .NET and MySQL.
- Built backend features and scalable data workflows to support business operations.
- Collaborated directly with clients to align software solutions with operational needs.
- Delivered maintainable, well-documented code in an agile environment.

SoftManagement S.A – .NET Development Engineer

Dec 2009 – Dec 2010 | Bogotá, Colombia

- Developed custom software solutions for public sector clients using .NET, Oracle, and MySQL.
- Participated in full software development lifecycle, from requirements to deployment.
- Produced technical documentation and ensured compliance with quality standards.

Education & Certifications

Cambridge C2 Proficiency (CPE), Cambridge Assessment English – Jun 2023

Django for Everybody Specialization, University of Michigan (Coursera) – Oct 2024

Django Application Development with SQL, IBM (Coursera) – Nov 2024

Specialist in Electronic Instrumentation, Universidad Santo Tomás – Nov 2012

Electronic Engineer, Universidad Tecnológica de Pereira – Nov 2009 (Meritorious Thesis)

Technical Skills

Languages: Python, SQL, C (basic), C++ (learning), PowerShell (familiar)

Backend & Systems: Django, REST APIs, PostgreSQL, MySQL, Git, SCADA, PLCs, Instrumentation

Tools: Visual Studio, Linux (basic), Windows CLI, Docker (learning)

Languages: Spanish (native), English (C2 Proficient)