

Cristian Ñustes

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Systems Engineer and Full-Stack Developer with an entrepreneurial mindset, focused on building technology that generates business value. I develop full-stack solutions for the banking sector (BBVA) and lead technical initiatives across the entire software development lifecycle, from architectural design to production support and critical incident resolution. I combine systems design, software architecture and development methodologies with AI to execute projects. Astronomy enthusiast with a long-term vision of engineering software systems for space exploration.

PROFESSIONAL EXPERIENCE

Accenture · Client: BBVA Colombia

Bogotá, Colombia

Custom Software Engineering Associate

Aug 2025 – Present

- Develop, maintain and support a distributed system that generates 1M documents/day and a REST API handling 100k requests/day, including monitoring, logging and disaster recovery.
- Build new features that improve the contracting process of banking products for customers.
- Resolve high-priority incidents and provide advanced maintenance in live production environments with 100% SLA compliance.

Custom Software Engineering New Associate (Remote)

Jan 2025 – Jul 2025

- Led backend development and software modernization, focusing on new process implementation and system refactoring.
- Contributed to a key financial product that successfully impacted ~600 real estate clients.
- Developed solutions to ensure strict compliance with Colombian Financial Superintendence (SFC) regulatory requirements.

Freelance

Remote

Full-Stack Developer & Cloud Consultant

Jan 2022 – Jan 2025

- Engineered custom AI workflows to streamline business operations, integrating APIs and MCP servers.
- Built secure and scalable full-stack services for e-commerce platforms.
- Designed cloud architecture diagrams to plan, optimize and document scalable infrastructure deployments.

RESEARCH & PROJECTS

IMA – Environmental Monitoring Index

Applied Research · Universidad EAN

Jun 2025 – Present

- Co-authored the paper “Hybrid Machine Learning Approaches for Rainfall Forecasting and Hydrometeorological Alert Support in a Tropical Colombian Basin”, presented at WEEF & GEDC 2026 (IFEES), Cartagena de Indias.
- Trained and developed the ML model and built the API service that exposes its forecasts.

JoJun

Peer-to-peer CLI tool

Aug 2026 – Sep 2026

- Built a CLI that connects two computers in a shared, encrypted room using Hyperswarm P2P: text pasted in one terminal appears in the other, with no cloud, intermediaries or self-hosted server. Cross-platform installer and interactive terminal session.

Lumen

Civic-tech oversight tool

Aug 2026

- Built a citizen oversight tool for emergency public contracting in Colombia: it reviews contracts as soon as they are published, cross-references eight indicators from official data, and alerts the municipal watchdog with the source and a ready-to-use formal information request.

LEADERSHIP & VOLUNTEERING

AWS Cloud Club (AWS Student Builder Groups) – Universidad EAN

Bogotá, Colombia

Core Team Member

Jun 2025 – Jun 2026

- Acted as a technical coach, leading hands-on sessions on cloud computing and emerging technologies for students from all academic backgrounds.
- Delivered workshops on AWS best practices, translating complex architectural concepts into actionable skills for the tech industry.

EDUCATION

Universidad EAN

Bogotá, Colombia

Engineer's Degree, Systems Engineering

Jan 2022 – Nov 2025

ADDITIONAL SKILLS

- Technical leadership across the full SDLC: architecture design, development, production support and critical incident resolution.
- Distributed systems, observability (monitoring, logging) and disaster recovery in high-volume banking environments.
- AI-augmented engineering: AI agents, RAG, MCP integrations and workflow automation.
- Technical mentoring and knowledge transfer.

Languages: Spanish (native), English (B2), Portuguese (A2)

TECHNOLOGIES

Backend: Java, Spring Boot, ASO, APX

Frontend: JavaScript, React, Angular, Cells, Lit, JSP

Databases: SQL, PostgreSQL, Oracle PL/SQL, MySQL

Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Terraform, Linux, GitHub, Jenkins

AI & Modern Workflows: MCP, RAG, AI Agents, AI IDEs, Claude Code, n8n