

Camilo Andres Gonzalez Castro

Bogotá, Colombia • +57 3232396652 • andgonzalezcas@gmail.com • LinkedIn • GitHub

PROFESSIONAL PROFILE

Computer Systems Engineer and Backend Developer specializing in data control, processing, and delivery. Expert in designing robust architectures using Go, PostgreSQL, and Docker in Linux environments. Passionate about scalable SaaS solutions and leveraging AI tools (Gemini Pro, MCP) for advanced workflow automation. Proven ability to utilize a holistic view of the software lifecycle to build resilient, high-performance systems.

PROFESSIONAL EXPERIENCE

VIIIO Bogotá, Colombia (Hybrid)
Full Stack Engineer Dec 2023 – Present

- Collaborated on developing a scalable SaaS platform core from scratch, implementing clean code standards and optimized components to streamline the deployment of new features.
- Orchestrated the data integration layer between backend and frontend, optimizing REST API requests and state management to ensure seamless information delivery and reduced latency.
- Automated repetitive development workflows by integrating advanced AI tools (Gemini 3 Pro, MCP context7, NotebookLM), accelerating complex process resolution.

THE HUB Bogotá, Colombia (Remote)
Frontend Web Developer Mar 2023 – Dec 2023

- Integrated into a development team following the transition from ITRMachines (allied partner), rapidly adapting to improve existing projects and implement new solutions.
- Built a complex Web3 avatar management system integrating Three.js, rendering high-performance 3D models and dynamically linking digital assets sourced from the blockchain.
- Designed and optimized interactive landing pages, elevating the user experience (UX) and strengthening navigation and user retention on the platform.

ITRMachines (Intelligent Trading Machines) Bogotá, Colombia (Hybrid)
Internship Trainee (Web3 & Frontend) Apr 2022 – Mar 2023

- Executed the controlled deployment of multiple Solidity smart contracts, implementing rigorous security tests that guaranteed full functionality with zero vulnerabilities.
- Optimized critical workflows and user interfaces for a corporate client-facing web application, improving navigation and the clarity of presented data.

FEATURED PROJECTS

Emergency Management Backend System Bogotá, Colombia (Hybrid)
Personal Project *Go, PostgreSQL, Software Architecture*

- Developed a high-availability backend service in Go (Golang) designed to manage critical emergency workflows under high concurrency.
- Implemented a clean architecture and efficient data processing, ensuring system reliability under pressure and delivering robust APIs ready for seamless integration.

EDUCATION & CERTIFICATIONS

Bachelor's Degree in Computer Systems Engineering – Universidad Nacional de Colombia Dec 2023
Diploma in Software Architecture and Cloud Computing – Pontificia Univ. Javeriana Cali Dec 2025
Scrum Foundation Professional Certificate (SFPC) – CertiProf Sep 2023

SKILLS & LANGUAGES

Technical Skills: Go (Golang), PostgreSQL, Docker, Linux, Bash Scripting, Software Architecture, REST APIs, Cloud Computing, Concurrency, Generative AI, Three.js, Web3.
Soft Skills: Complex Problem Solving, Technological Adaptability, Teamwork, Holistic System View.
Languages: Spanish (Native), English (Intermediate B1 - In intensive training towards B2/C1).