RONALD GONZÁLEZ DE ARMAS

Full-Stack Developer · AI Engineer (in the making)

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SUMMARY

Self-taught Full-Stack Developer with 2+ years of daily project-based practice. Built and deployed production applications integrating LLM APIs, real-time data pipelines, and role-based auth systems. Automation Engineering student at CUJAE — strong foundation in systems thinking and industrial process logic.C1 English (Cambridge CAE 193/210). Seeking a remote Full-Stack or AI engineering role.

TECHNICAL SKILLS

Frontend React, Next.js 14 (App Router), TypeScript, Tailwind CSS, shadcn/ui, Recharts
Backend Node.js, Next.js API Routes, tRPC, REST APIs, JWT, RBAC, NextAuth.js
AI / LLM OpenAI SDK, OpenRouter, LLM prompt engineering, JSON structured outputs
Databases PostgreSQL, Prisma ORM, Neon (serverless), SQL optimization, connection pooling
DevOps Docker, Git/GitHub, Vercel, CI/CD, Linux
Cloud AWS (EC2, S3, IAM, Lambda — studying for CLF-C02)

PROJECTS

SensorWatch AI   Next.js 14 · TypeScript · PostgreSQL · OpenRouter AI · Recharts
lms-sensorwatch.vercel.app · github.com/RonaldGGA/sensorwatch-ai

▸ Built real-time industrial sensor monitoring dashboard with AI-powered anomaly detection using LLM API via OpenRouter.
▸ Integrated LLM analysis pipeline that processes sensor anomaly data and generates actionable maintenance recommendations in natural language.
▸ Implemented JWT auth with NextAuth.js, time-series data visualization with Recharts, and event history system with PostgreSQL audit trails.
▸ Designed AI weekly report generation endpoint summarizing sensor performance trends and critical events.

Library Management System   Next.js 14 · TypeScript · PostgreSQL · Prisma · Docker · JWT
lms-libraryhub.vercel.app · github.com/RonaldGGA/LibraryManagementSystem

▸ Designed full book-lending platform with role-based access control (admin/librarian/member), loan tracking, and search.
▸ Reduced API response time by 60% through PostgreSQL index optimization and Prisma query tuning.
▸ Debugged production-grade issues: JWT expiry bugs, API 5xx errors from connection pool misconfiguration, image delivery via Cloudinary.

ChessMaster   Next.js · TypeScript · PostgreSQL · Stockfish API · Tailwind
github.com/RonaldGGA/ChessMaster

▸ Built chess opening trainer with 12,000+ variations and real-time AI move suggestions via Stockfish API integration.
▸ Implemented full-text search across large dataset; handled API timeouts and malformed responses with graceful fallbacks.

EDUCATION & CERTIFICATIONS

B.Eng. Automation Engineering (1st year)   CUJAE, Havana · 2025 – Present
Control Systems · Industrial Networks · Digital Logic · Programming

AWS Certified Cloud Practitioner (CLF-C02)   Exam: April 2026
Scoring 85%+ on practice tests · Studying EC2, S3, IAM, Lambda, VPC, CloudWatch

Cambridge C1 Advanced (CAE)   Score: 193/210 — Grade B
Professional working proficiency in English

CS50 – Harvard University   Verified Certificate
C, Python, SQL, Algorithms, Data Structures

Spanish (native) · English C1 · Open to remote work globally · Available immediately