



Christian G. de la Cruz Chongo

Full stack software engineer · University lecturer

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Profile

Full stack computer engineer and university lecturer. I work remotely on production systems: AI voice agents that answer calls and take orders in English and Spanish, mobile sales apps at parity with the web, Stripe payments and integrations with Azure, Twilio and WooCommerce. I also build marketplaces, offline point of sale apps, IoT systems and n8n automations, and I teach computer architecture and LAN design at UCLV. I own the whole system, from the database to the deployment and the documentation.

Experience

BlindsBook · Full stack developer · remote

Oct 2025 – now

Management software for blinds and window covering companies: sales, orders, invoices, payments and phone service. I work on five of its systems.

- Voice agent that answers calls, identifies the customer, books appointments and takes orders over the phone in English or Spanish, priced exactly like the web (Retell AI, Azure OpenAI, Azure Speech, Twilio).
- Mobile sales app in Vue 3 and Capacitor at parity with the web: quotes, orders, schedule, invoices and 17 priced product types. I migrated its backend from NestJS to ASP.NET Core (.NET 10) on Azure Container Apps.
- On the web platform (ASP.NET MVC): mandatory Stripe payment, account sign up with email verification and a panel to switch on the voice agent and the SMS (A2P) registration of each company.
- A .NET 10 integration API so a dealer can read quotes and orders from its WooCommerce store, and a Telegram bot that queries SQL Server in natural language.

Universidad Central "Marta Abreu" de Las Villas · Lecturer and software engineer · Computer Engineering

Sep 2025 – now

I teach in the same degree I graduated from, and I do applied research.

- Computer Architecture, second year: lectures and course assessment.
- LAN Design, fourth year: seven labs on designing and configuring networks in Cisco Packet Tracer, and their grading.
- Research: a systematic review on IoT in precision agriculture and a study on null values in database management systems (manuscripts, 2025).

Movisoft · Full stack developer · Villa Clara

2025 – 2026

TuMerkadito: a marketplace and point of sale built for Cuba, where buyers and sellers talk over WhatsApp.

- Vue 3 frontend with Pinia and Tailwind; Django 5 and Django REST Framework API on MySQL.
- Point of sale and sales reports (IPV), wholesale B2B flow, transfers between warehouses and mixed payments, covered by end to end tests.
- User, company and admin roles; Android app with Capacitor and deployments on Hostinger for staging and production.
- **MINEM Technology Park** · Backend and RAG. Tutoring on RAG to generate business reports with generative AI models and vector databases.
- **Independent projects** · Automation with n8n. WhatsApp chatbots connected to databases, bots that generate posts and videos for social media, semantic YouTube search and MCP servers.

- **SuMetApp · internship** · Python and image processing. Desktop app for the crystallographic analysis of sugar samples, built as a team with Carlos Luis and Javier Bravo.
- ### Selected projects
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- **CallCenter AI.** A voice agent that takes blinds orders over the phone. Retell AI, Node.js, TypeScript, ASP.NET, SQL Server, Azure
 - **Receptionist IA.** Answers, recognizes the customer and books the appointment. TypeScript, Express, Azure OpenAI, Azure Speech, Twilio, Docker · github.com/chongo00/ReceptionistIA
 - **BlindsBook Mobile.** The sales app, in the technician's pocket. Vue 3, Capacitor, Tailwind, ASP.NET Core, SQL Server, Azure
 - **TuMerkadito.** A marketplace and point of sale made for Cuba. Vue 3, Pinia, Tailwind, Django 5, DRF, MySQL, Capacitor · tumerkadito.com
 - **Drapery Calculator.** Works out the fabric for a drape from the window itself. Vue 3, Ionic, Capacitor, OCR, GPT-4o Vision · github.com/chongo00/Drapery-Calculator-Vue
 - **IoT control for business premises.** Four zones of a business that watch themselves and save energy. ESP32, ESP32-CAM, MQTT, Home Assistant, Node-RED, Telegram, C++
 - **Inventory & Sales Pro.** Inventory and sales that keep working when the internet does not. React, TypeScript, Electron, Capacitor, Recharts, jsPDF · github.com/chongo00/inventory-sales-pro

Technical skills

Frontend	Vue 3, React, TypeScript, Ionic, Capacitor, Tailwind, Pinia, Leaflet, Flet
Backend	C# and .NET 10, ASP.NET MVC, NestJS, Express, Django 5, Laravel, Python, PHP
Voice and AI	Retell AI, Azure OpenAI, Azure Speech, Twilio, Gemini, RAG, Embeddings, MCP
Data	SQL Server, PostgreSQL and PostGIS, MySQL, Neo4j, Vector databases
Cloud and delivery	Azure, Azure DevOps, Docker, Cloudflare, Hostinger, Git, CI/CD
IoT and networks	ESP32, MQTT, Home Assistant, Node-RED, n8n, Telegram bots, Cisco Packet Tracer

Education

Bachelor in Computer Engineering · 2020 - 2025
Universidad Central "Marta Abreu" de Las Villas, Faculty of Mathematics, Physics and Computing
Thesis: design of an IoT control system for business premises (ESP32, MQTT, Home Assistant, Telegram bot).

Languages

Spanish	native
English	B1, certified by UCLV (July 3, 2025)