Rolando César Vásquez Tavera

Full stack & mobile developer — Flutter · TypeScript · Python · AI

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Web portfolio · GitHub · LinkedIn

PROFESSIONAL PROFILE

Full stack and mobile developer with more than five years as a freelance professional. I build apps with Flutter, web interfaces with React and backends with TypeScript (NestJS) and Python, with automated tests and CI. I published 4 apps on Google Play and the App Store for delivery and ride-hailing companies, and I have QA experience. I apply AI to concrete problems: RAG with measurable evaluation, agents with MCP and human approval, and document reading with vision models. Seven open source projects of my own, more than 1,000 automated tests and online demos.

APPS BUILT AND PUBLISHED ON THE OFFICIAL STORES

Built and published under my own developer account on Google Play Console and the Apple Developer Program. I was hired for development and release; each company managed its own commercial launch.

Delivery and services app — customer module
Google Play: https://play.google.com/store/apps/details?id=com.goplus.customerapp
App Store: https://apps.apple.com/bo/app/id6787314464

Delivery and services app — courier module
Google Play: https://play.google.com/store/apps/details?id=com.goplus.driverapp
App Store: https://apps.apple.com/bo/app/id6787321937

Llévame App — passenger module
App Store: https://apps.apple.com/bo/app/llévame-app/id6450678669

Llévame Driver — driver module
App Store: https://apps.apple.com/bo/app/llévame-driver/id6469526845

PROFESSIONAL EXPERIENCE

Mobile and web developer — Tech startup (Santa Cruz de la Sierra)
Remote freelance · Project completed
- Built cross-platform mobile apps with Flutter for Android and iOS, and a web admin dashboard in React.
- Designed a real-time backend on Firebase (authentication, database, push notifications and storage).
- Released and versioned the apps on Google Play and the App Store.

Mobile app developer — Llévame
Ride-hailing startup · Freelance
- Built the platform's mobile apps (passenger and driver modules) and released them on the App Store.
- Quality assurance (QA): functional, usability, performance and security testing of a React Native application.

Full stack developer — Independent projects
Tarija, Bolivia · 2020 – present
- Built custom web systems and institutional websites for local companies and organizations.
- Integrated services and REST APIs, modeled relational databases and deployed to production.

FEATURED PROJECTS

RAG assistant for documentation — Own project
Python · FastAPI · PostgreSQL + pgvector · Docker · RAG / LLM
Answers questions about the Kubernetes documentation, citing every source, and says so when the answer is not there. Hybrid search and automated evaluation: the right document for 100% of the questions.
Code and demo: https://github.com/rolandocesar-prog-dev/docs-rag-assistant

Inventory API — Own project
NestJS · TypeScript · PostgreSQL · Prisma · Docker · GitHub Actions
REST API with an auditable history, JWT with rotating refresh tokens and stock that never goes negative under concurrent operations. 184 tests and CI. Demo (operator): demo@inventario.test / demo-inventario-2026.
Code and demo: https://github.com/rolandocesar-prog-dev/inventory-api-nestjs
Live API: https://inventory-api-c5yi.onrender.com/docs

Inventory web dashboard — Own project
React · TypeScript · TanStack Query · Tailwind · Playwright · GitHub Actions
Web interface for the Inventory API: catalog, stock ledger, movements and admin screens. Rotating tokens with a single refresh and writes that are never retried automatically. 143 tests, 16 E2E tests with accessibility checks, and CI that deploys it.
Code and demo: https://github.com/rolandocesar-prog-dev/inventory-web-react
Live: https://rolandocesar-prog-dev.github.io/inventory-web-react/

Appointment booking — Own project
Flutter · Riverpod · Firebase (Firestore, Auth, Cloud Functions, FCM) · TypeScript
Booking without double bookings for sports courts and clinics: tested Firestore transactions and rules, business dashboard, push reminders with Cloud Functions and a published web version. 173 tests and CI.
Code and demo: https://github.com/rolandocesar-prog-dev/turnos-app-flutter
Web: https://turnos-rv-portafolio.web.app

AI invoice scanner — Own project
Flutter · Dart · Riverpod · Ollama (local vision model) · GitHub Actions
Android and web app that reads a photo of an invoice with a local vision model and, after a person reviews it, records the stock entries without duplicates. 10/10 test invoices perfect; 123 tests and CI.
Code and demo: https://github.com/rolandocesar-prog-dev/invoice-scanner-flutter

Inventory agent with MCP — Own project
TypeScript · Model Context Protocol · Ollama (local LLM) · zod · Vitest · GitHub Actions
MCP server and agent that update the inventory through a conversation in Spanish with a local model; nothing is recorded without human approval (0 writes without approval in 18 scenarios). 126 tests and CI.
Code and demo: https://github.com/rolandocesar-prog-dev/inventory-agent-mcp

E2E test suite with Playwright — Own project
Playwright · TypeScript · axe-core · Docker · GitHub Actions
End-to-end tests for a practice store (Sauce Demo): 139 tests on four browsers, 13 real defects documented, accessibility, performance, visual regression and 0 flaky tests.
Code: https://github.com/rolandocesar-prog-dev/qa-e2e-playwright
Report: https://rolandocesar-prog-dev.github.io/qa-e2e-playwright/

OTN-PB app — Weather station monitoring
Flutter · Spring Boot · PostgreSQL
Mobile app to view and monitor satellite weather stations in real time in the central valley of Tarija, to support the region's farming.

Radio Móvil Andaluz dispatch system
PHP · JavaScript · Ajax · MySQL
Complete system for call control and dispatch: customer records, service history and a real-time operator dashboard.

Interactive citizen questionnaire
Angular · TypeScript
Interactive web questionnaire that processes and displays results in real time.

Institutional website
HTML5 · CSS3 · JavaScript
Institutional site built without frameworks, focused on performance, accessibility and short loading times.

TECHNICAL SKILLS

Core	Flutter, Dart, TypeScript, JavaScript, React, NestJS, Python (FastAPI), PostgreSQL, Firebase, Docker, Git and GitHub
Also used	React Native, Angular, Spring Boot, Java, PHP, MySQL, Supabase
AI and quality	RAG and hybrid search, agents with MCP, E2E tests with Playwright, CI/CD with GitHub Actions
Methods	Scrum, version control with Git, clean code practices

EDUCATION

Systems Engineering — Universidad Adventista de Bolivia (in progress). Degree project: RAG assistant for procedures of the Municipal Government of Tarija, with Scrum and the City Hall as Product Owner
Advanced Technician in Computer Systems — Instituto Técnico Superior «INCOS»
High school diploma (Humanities) — Colegio Nacional San Luis / CEA San Jerónimo

LANGUAGES

Languages: Spanish (native) · English B1 (reading and technical documentation)