Ricardo Rene Cuenca Nava

Software Developer | Fullstack Web & Systems
La Paz, Bolivia · Available for remote work
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PROFESSIONAL SUMMARY

Software developer focused on designing, building, and deploying production web systems, institutional platforms, and tailor-made digital products. Specialized in decoupled fullstack architectures (Next.js, Astro, NestJS, PostgreSQL), institutional SSO/API integrations, and containerized deployments using Docker on Linux servers. Practical expertise in relational databases, web performance, and workflow automation with AI agents.

WORK EXPERIENCE

HXZZU Studio **La Paz, Bolivia**
Independent Software Developer *2025 – Present*
- End-to-end design and engineering of administrative systems (POA) with decoupled architecture using **NestJS**, **PostgreSQL**, and **Next.js**. - Implemented reactive real-time applications with WebSocket synchronization via **Convex** and edge cloud infrastructure on **Cloudflare**. - Created and published high-performance commercial templates and mobile applications with **Astro**, **TypeScript**, and **React Native**.

Universidad Mayor de San Andrés — University Census Project **La Paz, Bolivia**
Platform Implementation Consultant (Statistics Dept.) *May 2025 – October 2025*
- Developed census collection interface using **Next.js** and **Tailwind CSS**, with modular forms and **LocalStorage** offline auto-save. - Integrated institutional APIs and Single Sign-On (SSO) from **SIA-UMSA**, enabling smooth registration for 1,000+ faculty and staff. - Containerized deployment using **Docker** and **Nginx** reverse proxy, with **Grafana** monitoring and active technical support to resolve incidents and keep services running.

CADAWI SRL (Audit Firm) **La Paz, Bolivia**
IT Infrastructure & Systems Support *2023 – 2024*
- Provided preventive hardware maintenance, diagnostics, and workstation provisioning across the firm. - Supervised local area network (LAN) infrastructure, ensuring stable and secure connectivity for audit teams.

FEATURED PROJECTS

POA System (Annual Operating Plan) ***2025 – 2026***
HXZZU Studio
- **Description:** Complete institutional software for organizational goal tracking, budget execution, and operational planning. - **Technologies:** NestJS, PostgreSQL, TypeORM, Next.js, TypeScript, Tailwind CSS, Docker.

DataUMSA — Institutional Open Data Platform ***2026***
Universidad Mayor de San Andrés
- **Description:** Complete UI/UX redesign and frontend engineering for the university's open data portal. Sub-second load times and Docker deployment. - **Technologies:** Astro, Tailwind CSS, Docker, Nginx, Linux.

Electoral Candidates Data Platform ***2026***
Collaboration: SOCIEST & ARU Foundation
- **Description:** Interactive public platform to centralize and visualize electoral candidate profiles and academic records. - **Technologies:** Next.js, TypeScript, Tailwind CSS, REST APIs.

TECHNICAL SKILLS

- **Backend & Databases:** PostgreSQL, NestJS, Node.js, TypeORM, Convex (Real-Time), REST APIs, Supabase, JWT / SSO Authentication
- **Frontend & Mobile:** TypeScript, Next.js, React, Astro, Tailwind CSS, GSAP, React Native, JavaScript (ES6+)
- **DevOps & Infrastructure:** Docker, Linux (Ubuntu/Debian, VPS), Nginx (Reverse Proxy), Cloudflare, Git/GitHub, Grafana
- **AI & Automation:** LLM Integration, AI APIs, Agent Orchestration & Automated Workflows
- **Languages:** Spanish (Native), English (A2: Fluent technical reading of docs/code and written communication)

EDUCATION

Universidad Mayor de San Andrés (UMSA) **La Paz, Bolivia**
B.S. in Computer Science (Software Development Specialization) – 6th Semester *Present*
- Appointed Student Tribunal Member for Web Programming II (INF-122).