Andres Erick Vasquez Castro

Backend Developer & Data Analyst / QA

Bolivia — Open to Remote and International Opportunities

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Professional Summary

Software Engineer with a strong focus on **backend development**, **data analysis**, and **QA / system validation**. Experienced in designing and implementing REST APIs, backend systems, and SQL database integrations in production environments, primarily within the healthcare sector. Skilled in analyzing business rules, identifying edge cases, validating structured data, and ensuring functional and logical quality in critical systems and AI-driven workflows.

Technical Skills

- **Programming Languages:** Python (2 years), Node.js (1 year), SQL (2 years), JavaScript (2 years)

- **Backend Development:** REST APIs, Express.js, client-server architecture

- **Databases:** PostgreSQL, SQLite, MySQL

- **Data Analysis:** SQL queries, metrics, reporting

- **QA / Validation:** functional testing, business rule validation, edge-case analysis

- **Tools:** Git, Postman, Linux, Docker (basic)

Professional Experience

Backend Developer *2025 – 2026*
National Health Fund (Caja Nacional de Salud)

- Developed and maintained internal backend systems for healthcare information management.

- Implemented REST APIs and backend business logic for critical operational processes.

- Designed, optimized, and validated SQL queries for operational and analytical reporting.

- Analyzed business rules, system workflows, and performed functional validation.

Freelance Software Developer *2025 – 2026*

- Developed software systems for pharmacies, laboratories, and inventory management.

- Automated processes and managed relational databases.

- Worked directly with clients on requirements gathering, system validation, and delivery.

Data Analyst / QA *July 2025 – December 2025*
OpenTrain

- Analyzed and validated structured datasets for AI model training projects.

- Evaluated data quality, logical consistency, and compliance with defined criteria.

- Produced clear documentation of analytical findings and validation results.

AI & LLM Evaluation Experience (Applied Practice)

- Designed and reviewed structured evaluation scenarios for LLM-based agents.

- Defined expected (gold-standard) outputs and acceptable variations for AI responses.

- Evaluated AI-generated content for logical consistency, intent accuracy, and completeness.

- Reviewed agent logs and outputs to identify contradictions, ambiguities, and missing steps.

- Familiar with evaluation concepts such as precision, coverage, and accuracy thresholds.

Data Annotation & Structured Formats

- Annotated image datasets using **Roboflow** for YOLO-style object detection.

- Performed text classification and structured labeling using spreadsheets and simple scripts.

- Comfortable reading, validating, and editing structured data in **JSON** and **YAML**.

- Applied QA checks and feedback loops to improve annotation quality.

Education

BSc in Software Engineering
Graduated in 2025

Languages

- Spanish: Native

- English: Conversational (strong written technical English)

- French: Basic (learning)

Additional Information

- Experience working in data-sensitive and mission-critical environments (healthcare).

- Strong analytical mindset, attention to detail, and quality-oriented approach.

- Available for fully remote work and international projects.