Carlos Ignacio Cardozo Peragallo

Junior Backend Developer | Python | Integrations & Automation

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PROFILE

Developer with experience building Python integrations and automation for SIGAP, a municipal system in production. I developed AI-based data extraction and deployed Playwright web automation with validation and record verification. Seeking remote Python backend and integration roles; my academic projects include FastAPI and React.

PROFESSIONAL EXPERIENCE

Junior Software Developer | Municipality of Paraná

Public Lighting Department - SIGAP | June 2025 - Present

- Developed and deployed SIGAP-RCC automation with Python and Playwright, integrated with Java and PostgreSQL: validation, duplicate checks, record verification and automated component tests.
- SIGAP Facturas AI: developed an invoice data extraction workflow using Python, Ollama and a local multimodal model, integrated with the Java application. The functional workflow has processed invoice batches.
- Built an OpenLayers interactive map with a Java/PostGIS backend: GeoJSON layers, viewport queries, spatial selection, individual and bulk editing, and integration with work-order forms.
- Gather requirements from users and analyze the domain; define solutions and make technical decisions alongside another developer. Organize work in Jira and validate changes through demonstrations.
- Develop full-stack SIGAP features with Java 8, JSP/Servlets, Hibernate/JPA and PostgreSQL. Maintain features, implement validations and SQL queries, and build statistics on lighting assets, electricity use and invoice spending.

TECHNICAL SKILLS

Professional work: Python, Playwright, APIs, PostgreSQL/PostGIS, SQL, Java 8, JSP/Servlets, JavaScript, OpenLayers, Hibernate/JPA, Git and Jira.

Academic projects: FastAPI, SQLModel, React, Docker, Java 21, Spring Boot, MongoDB and Redis.

INDIVIDUAL ACADEMIC PROJECTS

Gym Routine Manager | FastAPI, React and PostgreSQL

Routine and exercise management with search, forms and persistence through SQLModel.

gym-routine-manager

Movie Reviews | Java 21, Spring Boot, MongoDB and Redis

CRUD application with REST endpoints, services, repositories, a Vaadin interface and Redis caching.

springboot-mongodb-redis-app

EDUCATION

Tecnicatura Universitaria en Programación | UTN Paraná

2024 - Present. University technical program; 17 of 18 courses passed, final project pending.

Diplomatura en Inteligencia Artificial | UTN Buenos Aires

Completed October 2026. AI diploma program, 157 hours. Grade: Sobresaliente (Outstanding).

LANGUAGES

Spanish: native | English: B2 - Cambridge First Certificate in English, 2021.