Franco Rodrigo Miranda

Junior Full Stack Developer (Backend-Oriented)
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Professional Summary

Junior Software Developer in the final stage of a Software Development degree, with a **backend-oriented full stack profile** and strong focus on **Python**. Hands-on experience building **REST APIs**, working with **SQL databases**, and applying **object-oriented programming** and **SOLID principles**. Strong communication skills developed through extensive professional experience outside IT. Motivated to join a development team where I can contribute, learn, and grow professionally.

Education

Software Development Technician Degree

Instituto Superior Politécnico de Córdoba | 2023 – Present
✔️ Final year – no pending courses
✔️ Backend development with **Python** and **FastAPI**
✔️ Relational databases: **MySQL**, **SQLite**
✔️ Deployment and testing using **Railway**
✔️ Embedded systems programming with **MicroPython** (Wokwi simulations)

Full Stack Developer Course

Agencia de Aprendizaje para la Vida – Codo a Codo
✔️ HTML, CSS, JavaScript, Python, FastAPI

Systems Engineering

Universidad Nacional de La Rioja
Completed coursework up to 4th year

Music Teaching Degree

Instituto Superior de Arte y Comunicación

Technical Projects & Experience

- Development of **RESTful APIs** using FastAPI, including routing, validation, and data persistence.

- Design and querying of **relational databases** (MySQL, SQLite).
- Academic and personal projects applying **OOP**, **SOLID principles**, and clean code practices.
- Embedded systems simulations integrating sensors and actuators using MicroPython.
- Version control and collaboration using **Git** and **GitHub**.

Methodologies & Collaboration

- Agile development using **Scrum**.
- Task organization with **Kanban** (GitHub Projects).
- Teamwork based on **user stories**, task breakdown, and iterative delivery.

Technical Skills

- **Languages:** Python, JavaScript, HTML, CSS, SQL, MicroPython
- **Frameworks & Tools:** FastAPI, Angular, MySQL Workbench, SQLite, Railway, Wokwi
- **Concepts:** REST APIs, Object-Oriented Programming, SOLID, Git, Agile Methodologies (Scrum), Kanban
- **Systems:** Relational databases, embedded systems fundamentals

Professional Experience

Production Operator – Handcrafted Products Factory

Bialet Massé, Córdoba | 2021 – Present

- Worked in structured production processes with quality control.
- Collaborated with team members across different stages of production.
- Problem-solving and task optimization in daily operations.

Technical Sales Associate – Electrical Supplies Store

La Rioja Capital | 2009 – 2021

- Provided technical advice to customers.
- Managed inventory and cash operations.
- Solved technical inquiries and customer needs.

Music Teacher – Public Schools

La Rioja Province | 2010 – 2020

- Lesson planning and classroom management.
- Strong communication and presentation skills.
- Teamwork and project coordination.

Languages

- English: **C1**
- German: Currently studying
- Japanese: Currently studying

Core Competencies

- Logical and analytical thinking
- Self-directed learning
- Effective communication
- Teamwork and collaboration
- Adaptability and professional commitment