

# GERARDO CATALAS

Backend Developer | C# • .NET • Python • SQL Server

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## EDUCATION

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**Instituto Superior Politécnico Córdoba** | Córdoba, Argentina

Dual Technical Degree (In Progress – 2nd Year – Evening Program) | 2024 - Present

- **Higher Technical Degree in Software Development** (Backend Focus)
- **Higher Technical Degree in Web Development and Digital Applications** (Fullstack Focus)
- **Key Technologies: Django** (Backend), **Angular** (Frontend), **UML** and **Agile Methodologies**.

**Universidad Nacional de Córdoba (FAMAF)** | Córdoba, Argentina

- **Bachelor's Degree in Computer Science (1st Year Completed)** | 2021
- **Relevant Coursework:** Strong foundation in **Algorithms**, **Data Structures**, and **Functional Programming** fundamentals

## EXPERIENCE

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**Development Intern - FABRICARG** (3 months – September to November 2025)

- Developed business logic in C# using layered architecture (DTO, DAO, BL, presentation)
- Implemented and consumed stored procedures in SQL Server
- Built web interface using ASP.NET WebForms and Bootstrap base don existing backend logic
- Performed automated testing with Cypress on a real company system

## PROJECTS

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**From prototype to layered architecture: smart home system in Python** | [catalasjuin.com](http://catalasjuin.com)

- Python-based home automation project evolving from a console application to a modular architecture with database integration (MySQL), applying object-oriented programming and testing (Pytest).

**E-commerce with decoupled frontend and backend: full stack project in Python** | [catalasjuin.com](http://catalasjuin.com)

- Full-stack project with separated frontend (HTML, CSS, JavaScript) and backend (Python), including e-commerce features, database integration (MySQL), and Agile (Scrum) workflow.

**My First Authentication System in Python (Login + Registration)** | [catalasjuin.com](http://catalasjuin.com)

- Authentication system in Python with registration, login, and role management, developed with focus on architecture and team collaboration.

## TECHNICAL SKILLS

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**Programming Languages:** C#, Python, JavaScript, TypeScript (learning)

**Databases:** SQL Server (Design & Stored Procedures), MySQL

**Backend:** .NET (ASP.NET WebForms), Django (learning)

**Frontend:** Angular (learning), Bootstrap, HTML5/CSS3

**Tools:** Git, Cypress, AWS EC2 (basic deployment & configuration), Nginx, Apache

**Other:** Object-Oriented Programming (OOP), Functional Programming, UML, Layered Architecture

## LANGUAGES

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**English:** Intermediate (B1+)

**Reading:** Advanced (C2 - EF SET)