JUAN ROSERO

ENGINEERING STUDENT

CONTACT

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ABOUT ME

I am a web developer with experience in front- and back-end technologies, as well as cloud deployments using AWS and Azure services. I am interested in creating scalable, efficient, and user-centric technological solutions. I am constantly training in software architecture, artificial intelligence, and machine learning, with a special emphasis on back-end development with Python and Django. I seek to integrate into innovative projects that allow me to leverage both my technical skills and my ability to learn new tools and methodologies.

EDUCATION

Secondary education:
Institución Educativa Municipal Libertad
2018-2020

Incomplete higher education:
Universidad Iberoamericana
2021 (Systems Engineering)

Current higher education (2025):
Universidad Cooperativa de Colombia
2022-2025 (Software Engineering)

SKILLS

- Python, JavaScript, TypeScript, SQL
- Backend: Django, FastAPI, Node.js (Express)
- Frontend: React.js, Next.js, Tailwind CSS, CSS Modules
- PostgreSQL, MySQL, SQLite

HOBBIES

- Music Listening
- Reading
- Traveling
- Gaming
- Discover technologies

SOFT SKILLS

- Logical thinking and problem-solving
- Effective communication within development teams
- Continuous learning capacity
- Focus on best practices and clean code

WEB SERVICES DEVELOPED

RESTFUL API FOR ACCESS CONTROL

Complete backend for registering physical access, managing users (admin, residents, and visitors), assigning permissions, and generating reports. JWT authentication, testing with Pytest, and deployment in a virtual environment.

STACK: Django Rest, Postgresql, Djangorestframework-Simplejwt, Pytest

SERVERLESS API FOR SURVEY MANAGEMENT

A service on AWS Lambda that receives, stores, and exposes survey forms in JSON format, including response persistence and CORS control. Direct integration with S3 and API Gateway.

STACK: Aws Lambda (Python), S3, Api Gateway, Iam Policies

S3 BUCKET FILE LISTING SERVICE

/api/files endpoint that lists all files in an S3 bucket, exposed to the React frontend through a Python API. Basic authentication and optional pagination are included.

STACK: Fastapi, Boto3, Aws S3, React

MEDIA PLAYBACK API

Service that serves playlists, metadata, and media files from a local public folder, integrating dynamic routes, animations, and synchronized state control between components.

STACK: React, Html5 Audio, Global Context, Public Routes