



Mauro Gonzalez

SYSTEM'S ENGINEER · FULLSTACK DEVELOPER

Cartagena, Colombia

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Education

Institución Educativa La Concepción - Sede Turbaco

Turbaco, Bolívar, Colombia

SECONDARY EDUCATION

2016 - 2021

Completed secondary education with emphasis on academic formation.

Universidad Tecnológica de Bolívar

Cartagena, Colombia

B.S. IN SYSTEMS AND COMPUTER ENGINEERING (IN PROGRESS)

2022 - Present

- Currently enrolled, 8 semesters completed.

Skills

DevOps & Tools

Docker, Git, GitHub, Supabase, Postman, Arch Linux, VSCode, Neovim

Back-end Development

Node.js, Express, Django, FastAPI, ActixWeb, GraphQL, Prisma, Drizzle, Postgres, SQLite

Front-end Development

HTML5, CSS, TailwindCSS, JavaScript, TypeScript, React, Vue, NextJS, NuxtJS

Programming Languages

Python, Java, Rust, C++, LaTeX

Languages

Spanish (Native), English (Fluent)

Experience

Arsud

Cartagena, Colombia

SOFTWARE DEVELOPER

2025

- Collaborated with the development team to design and implement a PyP (Payments and Procedures) module for a telemedicine application.
- Contributed to the integration of the module into the existing system, ensuring compatibility and reliability.
- Applied best practices in back-end development and teamwork to deliver a functional solution within project timelines.
- Gained practical experience in healthcare-related software development, focusing on usability and secure data handling.

Honors & Certifications

Nov. 2025 **Graduate**, AWS Academy Graduate - Cloud Foundations

Amazon Web

Services (AWS)

2024, 2025 **Participant**, SAS Hackathon

SAS Institute

2024, 2025 **Participant**, NASA Space Apps Challenge

Global Hackathon

Writing

Geomagnetic disturbances and grid vulnerability: Correlating storm intensity with power system failures

PLOS One

CO-AUTHOR

Jul. 2025

- Published peer-reviewed journal article analyzing the correlation between geomagnetic storm intensity and power system failures.
- DOI: 10.1371/journal.pone.0327716
- Contributors: Mauro González Figueroa; Rafael Duarte Coelho dos Santos; Daniel David Herrera Acevedo; David Sierra Porta