Marco Cortés Castillo

Junior Developer

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PROFESSIONAL PROFILE

I am a young and passionate senior student in Software Engineering who is deeply interested in both frontend and backend development. I consider myself a self-taught individual with strong critical thinking and problem-solving skills.

PROFESSIONAL EXPERIENCE

 Municipality of Nandayure   Carmona, Guanacaste, Costa Rica
Freelance Backend Developer   **2024 - Current**

I'm currently working as a freelance backend developer on a project for the Municipality of Nandayure, focused on creating an internal management system for the Human Resources Department. The main objective is to digitize and optimize processes related to personnel administration.

Responsibilities and achievements:

- I lead the design and implementation of the system's backend.
- I structure the database and define its key relationships.
- I develop entities and services to manage requests, vacations, and administrative structures.
- I implement secure, robust, and scalable business logic.
- I integrate the system with the Google Drive API for institutional document management.
- I develop technical documentation and user manuals to facilitate maintenance and the transition to the internal team.

 National University of Costa Rica   Nicoya, Guanacaste, Costa Rica
Learning Support Tutor   **2021 - Current**

I am part of the Academic Success Unit at the University of Costa Rica, an organization that promotes academic support for students through various strategies and support services. In my role, I collaborate in facilitating tutoring classes for university students, with the goal of strengthening their retention and academic performance.

Courses taught
- Computer Science Fundamentals.
- Programming I.
- Programming II.

Responsibilities and achievements:

- Application of programming logic in languages such as C++ and C#.
- Design and implementation of RESTful APIs using ASP.NET Web API.
- Monitoring of students' academic progress, providing constructive feedback to improve academic performance.
- Organization and scheduling of personalized tutoring sessions to provide additional support to students who require it.
- Development of educational content using challenge-based learning and the service-learning method to encourage active participation and real-world problem-solving.

STRENGTHS

- Ability to reason step by step, solving complex problems by breaking them down into smaller parts.
- Patience and perseverance
- Continuous learning
- Teamwork and communication
- Critical thinking.

EDUCATION

National University of Costa Rica
Information Systems Engineering

01/2020 - Current

SKILLS

- **JavaScript (JS), TypeScrip (TS), C++, C#**
- **React, Astro, Vite**
- **NestJS, .NET, MySQL, PostgreSQL, TypeORM, Entity FrameWork**
- **Material-UI, TailwindCSS, CSS Modules**
- **GitHub Git, Scrum**

LANGUAGES

- **English: Intermediate.**
- **Spanish: Native**