

**Rafael Ramos Jiménez**

**Full Stack Developer**

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## **Professional Profile**

A Computer Systems Engineering student with experience in developing complex software projects in both the government sector and personal initiatives. Skilled in backend and frontend programming, I excel at leading projects, managing teams, and building full-stack solutions. Strong background in competitive programming and the ability to design scalable systems and applications.

## **Education**

**Instituto Tecnológico de Cancún**

*Bachelor's in Computer Systems Engineering (2022 - Present)*

## **Work Experience**

**Software Developer - Tecnológico de Cancún**

*Duration: Current*

- **Benito Juárez Scholarship Coordination Platform - Education Department:**  
Designed and developed a comprehensive platform to manage scholarships for students nationwide. I implemented the backend architecture using NestJS and developed the administrative interface with React.
- **Attendance Management Platform for the State Higher Education Distance Program (PEESaD):**  
Developed a system that automates attendance tracking and monitoring for distance learning programs. I was responsible for backend development and half of the frontend, integrating real-time data for attendance visualization.

**Project Lead - Ámbar**

*January 2024 – August 2024*

- Led the development of a platform similar to Airbnb, focusing on managing accommodations, service contracts, and maintenance tasks.
- Coordinated a multidisciplinary team, ensuring seamless integration between the backend (NestJS) and frontend (React), resulting in a highly functional and user-friendly platform.

## Technical Skills

- **Programming Languages:** C#, C++, JavaScript, TypeScript, Python, Java, SQL
- **Frameworks and Technologies:** NestJS, React, Angular, Unity, HTML, CSS
- **Databases:** Design and structuring of relational and non-relational databases (SQL, NoSQL)
- **Application Development:** Backend, Frontend, Console Applications, 2D Video Game Development in Unity
- **Other:** RESTful API Development, Git, Project Documentation

## Achievements

- **Silver Medalist in the Mexican Olympiad of Informatics:**  
Won silver medals in the 20th and 21st Mexican Olympiad of Informatics, demonstrating exceptional skills in competitive programming and algorithm problem-solving.
- **Experience in Competitive Programming:**  
Three years of competitive programming experience, with a strong ability to develop advanced algorithms.