

## Sergio Fabian Acuña Madrid

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I am a Software Engineering student with a strong foundation in algorithms, relational database design. Through personal and academic projects, I have gained hands-on experience in full-stack web development, focusing on building scalable applications with clean and maintainable code.

### Education

**Instituto Tecnológico de Ciudad Madero**  
Bachelor's in Software Engineering

Cd. Madero, Tamps  
Expected 2026

**Centro de Bachillerato Tecnológico Industrial y de Servicios No. 105**  
Programmer Technician

Altamira, Tamps  
2018 - 2021

### Experience

#### Real-time Chat App (Developer)

Jan 2025 – Mar 2025

In this project, I built a real-time chat application that allows users to interact with each other instantly. I implemented WebSocket communication to enable instant messaging with NodeJS, which was crucial for a seamless user experience. I also designed a responsive user interface that works well on both mobile and desktop devices. To ensure everything was functioning correctly, I tested the API made with Express using Postman and participated in the database design and data modeling to create a solid foundation for the application.

**Stack:** Html, SASS, NodeJS, Express.js, Socket.io, PostgreSQL, Postman, Vite.

#### Recipe Management Platform (Developer)

August 2025 – Present

For this project, I am developing a full-stack web application to manage family recipes. I implement CRUD operations for dishes, including images, categories, and ingredients. I design a responsive user interface and integrate RESTful APIs, as well as model relational data using MySQL. I focus on scalability, maintainability, and following clean code best practices.

**Stack:** React, SASS, NodeJS, Express.js, MySQL, Postman, Vite.

### Skills & Interests

#### Technical Skills.

- **Languages:** JavaScript, TypeScript, SQL.
- **Libraries & Frameworks:** React, Express, Socket.io.
- **Databases:** MySQL, PostgreSQL.
- **Tools:** NodeJS, Vite, Postman, Git, GitHub, Figma.

#### Languages.

- Spanish (Native).
- English (B2+ Intermediated – Advanced).

#### Interests.

- Outdoor activities.
- Photography.
- Playing musical instruments