

### Education

**Engineering Division Campus Irapuato-Salamanca**  
Data and Artificial Intelligence Engineer

**Guanajuato, MX**  
May 2026

### Experience

#### aliA

##### Lead Software Engineer

**Guadalajara, MX**  
Sept. 2025 - Present

- Directed cross-functional development team activities to ensure on-time delivery of complex software initiatives and adherence to technical standards
- Architected distributed system using microservices pattern, increasing platform scalability and maintainability by 50%
- Engineered full-stack application features using React and shadcn/ui components, enabling responsive, modern, and accessible user interfaces
- Implemented secure authentication frameworks leveraging JWT, strengthening application security and reducing unauthorized access risks
- Built and deployed microservices ecosystem that reduced system complexity and improved development efficiency by 40%
- Integrated machine learning models and large language models into production workflows, enhancing application intelligence and user interaction quality
- Managed CI/CD pipelines, container orchestration, and cloud infrastructure provisioning to streamline deployment processes and improve operational reliability
- Oversaw code quality, technical design reviews, and engineering best practices to maintain high standards of software craftsmanship

#### El Salmantino

##### Software Developer

**Guanajuato, MX**  
Mar 2022– Sept. 2025

- Led end-to-end development of web application features that streamlined internal workflows and increased team throughput by 20%
- Engineered scalable backend services using modular architecture to improve system reliability and reduce maintenance overhead by 30%
- Implemented automated testing and CI/CD pipelines that decreased deployment time by 40% and reduced release-related defects
- Optimized database queries and data models, improving application performance and reducing average query latency by 25%
- Integrated third-party APIs and internal services to expand platform functionality and accelerate feature delivery
- Developed responsive user interfaces aligned with UX best practices, improving user engagement and task completion rates
- Collaborated with cross-functional teams to define technical requirements and deliver solutions aligned with operational objectives
- Monitored system health and executed performance tuning initiatives that enhanced platform stability and reduced downtime by 15%

### Publications

#### University of Guanajuato

[Data collection and analysis using AI techniques applied to the tourism sector](#)

**Salamanca, Gto**  
2023

#### University of Guanajuato

[Analysis of TikTok comments using NLP techniques to detect electoral trends](#)

**Salamanca, Gto**  
2024

### **Skills & Interests**

**Technical:** I possess extensive programming expertise in C, C++, Python, JavaScript, NodeJS, PHP, Laravel, MySQL, and Matlab. My technical toolkit includes proficiency with various APIs such as Graph API, Open Meteo API, Mapbox API, and Firebase, along with design tools including Figma and Adobe Suite

**Language:** I am a native Spanish speaker with fluent English proficiency, enabling effective communication in both languages.

**Soft Skills:** My professional strengths include exceptional teamwork and collaboration abilities, strong research and analytical thinking skills, effective communication, problem-solving and critical thinking capabilities, and adaptability and resilience in dynamic work environments.