

ERIK AXEL LOREDO LÓPEZ

Intelligent Systems Engineer | Full Stack Developer

San Luis Potosi, Mexico

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Portfolio: <https://siraxlord.github.io>

PROFESSIONAL SUMMARY

Results-oriented intelligent Systems Engineer with a strong foundation in software development and programming logic. I specialize in Full Stack development across Web, Mobile and Game Engine platforms. Proven experience managing the complete software development life cycle (SDLC) through academic and personal projects. Passionate about web Development, Computer Vision, and Machine Learning, with a high capacity for adapting to emerging technologies.

TECHNICAL SKILLS

- **Programming Language:** Python, PHP, JavaScript, C#.
- **Frameworks & Tools:** Angular, Laravel, Flutter, Node.js, Docker, Postman, Godot Engine.
- **Databases:** MySQL, MongoDB (NoSQL)
- **Others:** Git/GitHub, Linux/OS Management, RESTful APIs, Machine Learning Basics.
- **Languages:** Spanish (Native), English (Intermediate/Professional Working).

KEY PROJECTS

- **HCTC Request Management System – UASLP | Full Stack Developer**

Technologies: Laravel, MySQL, Bootstrap

- Developed and implemented an automated workflow system for the institution's governing body (HCTC).
- Optimized administrative processing times by digitalizing manual workflows and integrating automated report generation.
- Designed the database architecture and backend logic to ensure data integrity and security for sensitive information.

- **E-Commerce Platform (MEAN Stack) | Full Stack Developer**

Technologies: MongoDB, Express, Angular, Node.js

- Architected a scalable backend using Node.js and NoSQL (MongoDB).
- Built a modern frontend using Angular with Server-Side Rendering (SSR) and Angular Material for enhanced UX.

- **Sales Ecosystem (E-Commerce) | Full Stack Developer**

Technologies: Laravel, MySQL, Livewire (Flux), Sanctum.

- Developed a scalable RESTful API with Sanctum authentication and Role-Based Access Control (RBAC).
- Created a reactive web client using Livewire and Flux components, featuring automated PDF invoicing.

- **AI Academic Chatbot | Backend Developer**

Technologies: Python, Rasa, Docker

- Designed a containerized virtual assistant using Docker to resolve curriculum-related queries using Natural Language Processing (NLP).

- **Cinema Management System | Full Stack Developer**

Technologies: Laravel, Livewire, Dompdf

- Built an administrative platform featuring bulk data import (Excel), PDF report generation, and automated email notifications.

- **“El Último Alquimista” (Video Game) | Lead Developer**

Technologies: Godot Engine

- Developed a 2D platformer implementing Finite State Machines (FSM), inventory systems, and integrated cinematics.

WORK EXPERIENCE

Customer Support & IT Technician | Ciber Papelería 7ma

November 2022 – August 2025

- Provided technical support and hardware maintenance (preventive and corrective) for computer equipment.
- Managed digital services and advanced Microsoft Office suite tasks for local clients.

EDUCATION

B.S. in Intelligent Systems | Universidad Autónoma de San Luis Potosí (UASLP) August 2020 – December 2025