



Rene de Jesus Mendoza Saucedo

Full-Stack Software Developer · Rust & AI-assisted development

Nuevo Laredo, Tamaulipas, México | admin@enerby.dev | +52 867 272 8017
github.com/enerBydev | linkedin.com/in/enerbydev | enerby.dev

PROFESSIONAL SUMMARY

Full-Stack developer who learns by building. I design, develop and deploy real projects with Rust and TypeScript, using AI-assisted workflows (Claude Code, Codex) to move fast and with judgment. I've taken personal projects to production —a proxy for LLM API traffic and a serverless microservice on Cloudflare— on a foundation of formal technical training in computer science (CONALEP) and hands-on experience in technical fieldwork and client-facing roles. I'm interested in information security and responsible vulnerability disclosure. My greatest strength isn't memorizing syntax: it's integrating tools, solving problems and persisting until the solution works and ships.

FEATURED PROJECTS

NEXUS AI Gateway

github.com/enerBydev/nexus-ai-gateway

2025

- Rust proxy that intercepts and routes LLM API traffic (Claude, OpenAI) to alternative backends (NVIDIA NIM, Ollama, OpenRouter).
 - Request transformation, retries, circuit breaker and bounded concurrency with SSE streaming.
- Stack: Rust · Tokio · Axum · SSE · Docker · Linux

Nexus Beacon Receiver

github.com/enerBydev/nexus-beacon-receiver

2026

- Serverless microservice that receives daily beacons from gateway instances, stores them in Cloudflare D1 and exposes aggregated usage statistics.
 - Rust Worker compiled to WebAssembly: automatic scaling and zero cost at rest.
- Stack: Rust · WebAssembly · Cloudflare Workers · D1

enerby.dev

2026

- Personal portfolio on Nuxt 4 over Cloudflare Pages: five prerendered pages, custom identity and icon system.
 - A single reproducible gate that CI runs instead of duplicating, with blocking secret scanning.
- Stack: Nuxt 4 · TypeScript · Tailwind 4 · Cloudflare Pages · Nix

WORK EXPERIENCE

Full-Stack Software Developer · Rust & AI-assisted development

enerBydev — Personal projects & contract work

2025 – Present

Nuevo Laredo, Tamaulipas (Remote / On-site)

- Full-stack application development with Rust (Tokio, Axum, Dioxus) and TypeScript (Nuxt, Vue).
 - NEXUS-AI-Gateway: Rust proxy routing LLM traffic to OpenAI-compatible endpoints, with semaphore-bounded concurrency, SSE streaming and circuit breakers.
 - Deployment and operation on Cloudflare (Pages, Workers, D1), Railway and Google Cloud, with pipelines that run identically locally and in CI.
 - UI/UX design, web development, branding and audiovisual production.
- Rust · Tokio · Axum · Dioxus · TypeScript · Nuxt · Cloudflare · Google Cloud · Railway · Docker · Git · Linux

Security & Multimedia Systems Installation Technician

2023 - 2024

SeCe

Nuevo Laredo, Tamaulipas

- Installation and configuration of CCTV systems (analog and IP), alarm panels and access control in residential and corporate settings.
- On-site fault diagnosis and resolution using a multimeter and network tools.
- Electrical blueprint and technical manual reading; direct client service and job documentation.

Collections Agent / Collections Executive

Jul - Dec 2022

Financiera Independencia S.A.B. de C.V.

Nuevo Laredo, Tamaulipas

- Managed overdue accounts using internal collections platforms and CRM systems.
- Phone negotiation and closing of payment agreements under weekly recovery targets.
- Recording and follow-up of payment commitments; objection handling and closing techniques.

Content Creator / Community Manager / Entrepreneur

2018 - 2022

XLEAN (Personal venture)

Nuevo Laredo, Tamaulipas

- Audiovisual content production (photo, video, motion graphics) for social media.
- Digital community management and engagement-metrics analysis.
- Content strategy, digital marketing campaigns and visual identity for clients.

Web Designer · Data Entry Clerk · Warehouse Assistant

Jan - May 2020

OverseasTrade

Nuevo Laredo, Tamaulipas

- Design and maintenance of the corporate website for an international-trade company.
- Entry, validation and organization of inventory data in digital systems.
- Warehouse support: receiving, sorting and dispatching merchandise.

Earlier experience

2019 - 2020

Industrias Tri-Con de México · Prosegur

Nuevo Laredo, Tamaulipas

- Production materials handler (Tri-Con): materials control, distribution and physical inventory tracking on the plant floor.
- Private security guard (Prosegur): custody, access control and incident reporting.

TECHNICAL SKILLS

Software development

Rust · Python · C# · TypeScript · JavaScript · HTML/CSS · Bash

Tokio · Axum · Dioxus (Rust/WASM) · Vue · Nuxt · React · Angular

Claude API · OpenAI API · NVIDIA NIM · Ollama

Proxy servers · SSE streaming · Circuit breaker · Concurrency · REST APIs

Infrastructure & operations

Cloudflare (Workers, Pages, D1, R2) · Google Cloud · Railway · Oracle Cloud

Docker · Podman · Nix · GitHub Actions · Git · SSH

Linux (Pop!_OS, Ubuntu) · Relational databases

Digital design

Adobe Photoshop · Illustrator · Premiere Pro · After Effects · DaVinci Resolve

UX/UI · Responsive design · Visual identity and logo design · Motion graphics

WordPress · Elementor · E-commerce store design

Technical systems

Analog & IP CCTV · Alarm panels · Access control · AV systems

Preventive and corrective PC maintenance · Basic networking

Fault diagnosis · Multimeter · Electrical blueprint reading

SOFT SKILLS

- Adaptability and fast learning
 - Self-directed work under pressure
 - Technical problem-solving
 - Attention to detail and precision
- Effective client communication
 - Time management and prioritization
 - Results-oriented
 - Negotiation skills

EDUCATION

B.Eng. in Software Development

Admission in progress – 2026

Universidad Abierta y a Distancia de México (UnADM) · Online

Currently in the admission process (2026 call); awaiting results. Officially accredited programme (SEP).

Associate Degree in Business Development, Marketing

2015 – 2018 (incomplete)

Universidad Tecnológica de Nuevo Laredo (UTNLD)

Coursework completed without degree. Relevant subjects: marketing, advertising, business management and entrepreneurship.

Technical Baccalaureate in Computer Science (PTB)

2012 – 2015

CONALEP Nuevo Laredo

Completed. Focus on programming, equipment maintenance and basic networking.

LANGUAGES

Spanish — native

English — advanced technical reading, conversational (developing)

ADDITIONAL INFORMATION

availability

Immediate

work mode

Remote or on-site in Nuevo Laredo

schedule

Full-time · Project-based