



Rene de Jesus Mendoza Saucedo

Full-Stack Software Developer · Backend-focused · Rust

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PROFESSIONAL SUMMARY

Backend-leaning software 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

SOFTWARE DEVELOPMENT

NEXUS AI Gateway

2025

github.com/enerBydev/nexus-ai-gateway

- 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

2026

github.com/enerBydev/nexus-beacon-receiver

- 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

WEB DEVELOPMENT

enerby.dev

2026

enerby.dev

- Personal portfolio on Nuxt 4 over Cloudflare Pages: thirteen prerendered routes, 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 · Backend-focused · Rust

2025 – Present

enerBydev — Personal projects & contract work

Nuevo Laredo, Tamaulipas (Remote / On-site)

- Backend services with Rust (Tokio, Axum), and interfaces with 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 | — Effective client communication |
| — Self-directed work under pressure | — Time management and prioritization |
| — Technical problem-solving | — Results-oriented |
| — Attention to detail and precision | — 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