

Luis Roberto Pinto Gutiérrez

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Passionate about building digital products that solve real problems. Background in Software Engineering with hands-on experience in full-stack web development and UX design. I combine technical vision with business understanding. I build and maintain a multi-clinic electronic health record (EHR + ERP) system, handling real clinical data in compliance with NOM-024-SSA3-2012.

EXPERIENCE

Onkimia Jun 2025 – Present

Colima · Full Stack Developer – Full-time / On-site

- Lead the functional growth of the EHR + ERP system for an oncology center (clinical records, medical scheduling, treatments, inventory, and billing) in compliance with NOM-024-SSA3-2012.
- Turned a single-client product into a multi-clinic platform: extracted hardcoded logic and configuration into environment variables and data; the same core now runs for 2 clinics and external white-label clients, each with its own database, domain, and modules.
- Led the migration from a legacy architecture (cPanel + EC2 with no Git, manual deployments) to React, Node.js, and Odoo on Docker over AWS, with per-clinic QA and production environments, autodeploy, and branch preview deployments; ran bare-metal-to-container cutovers with QA rehearsal, data verification, and rollback, within 20–30 minute windows.
- Designed the EHR's RBAC and email-based MFA, and implemented the NOM-024 / NOM-004 audit log across frontend, backend, and Odoo modules to provide traceability of access and changes to patient records.
- Develop custom Odoo modules in Python and manage their schema migrations; migrated the legacy EHR from Vue and PHP to React with TypeScript and a Node.js API with tRPC, reconciling historical visit and note data.
- Built the platform's resilience layer (hourly backups to S3 with retention, EBS snapshots, and tested restores) and the CI/CD pipelines in GitHub Actions and GitLab for every release.

Directorate of Cultural Heritage Oct 2024 – Jun 2025

University of Colima · Frontend Developer – Internship / Hybrid

- Developed MUVi (Virtual University Museum): a platform for selling 360° virtual museum tours, integrated with Kuula, with MercadoPago payment processing and university credit-hour accreditation for students.
- Built the internal CMS for managing museums, exhibitions, and 3D tours, using React.js, TypeScript, Tailwind CSS, Prisma, and PostgreSQL.
- Collaborated on frontend and backend work as needed across the project, integrating APIs and resolving blockers to keep delivery on pace.

Directorate of Digital Educational Resources Oct 2023 – Apr 2024

University of Colima · Frontend Developer & UI Designer – Training contract / Hybrid

- Prototyped an internal legal document-management system for the University in Figma, and built its frontend with Vue.js and reusable modular components.
- Contributed to the frontend (Laravel + Vue.js + Docker) of an accessibility-focused learning platform with Mexican Sign Language (LSM) content and keyboard navigation, for the Government of the State of Colima.
- Worked under Scrum methodology, using Jira for issue and feature tracking.

EDUCATION

University of Colima 2021 – 2025

Colima · Software Engineering

Studied web development, UX/UI design, prototyping, OOP, data structures, databases, Linux, and Scrum, with a bit of 3D modeling in Blender.

SKILLS

Languages: JavaScript (ES6+), TypeScript, PHP, SQL, HTML, CSS

Frontend: React.js, Next.js, Vue.js, Tailwind CSS, Shadcn/ui, web accessibility

Backend: Node.js, Express.js, Nest.js, Odoo (Python), tRPC, REST APIs, XML-RPC

Databases: PostgreSQL, MySQL, Prisma ORM

Infrastructure & DevOps: Docker, AWS (EC2, S3, EBS), Dokploy, Linux, Nginx, CI/CD, GitLab, GitHub Actions, Git, Vercel, Netlify, Firebase

Product & Design: Figma, Jira, Scrum, requirements gathering with end users

Domain: EHR, NOM-024-SSA3-2012, NOM-004-SSA3-2012, RBAC, MFA, multi-tenant architecture, operational continuity

LANGUAGES

Spanish: Native

English: Intermediate (B1)