JUAN VILLAMOROS

SENIOR SOFTWARE ENGINEER · RUBY ON RAILS · AI INTEGRATIONS

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PROFILE

Systems Engineer with 9+ years building and supporting production software as a Full-Stack Developer, Ruby on Rails Engineer and DevOps/support specialist. Builds REST APIs and third-party integrations in Ruby on Rails, Python and JavaScript; integrates AI agents and automates workflows with n8n and Robocorp; ships with Docker, AWS and CI/CD. Built a medical appointment management system in Rails integrated with the Google Calendar API, and most recently worked on the production front line for national retail brands (Mattelsa, Studio F, Olímpica, Dollarcity), triaging and resolving critical incidents under strict SLAs. Pairs engineering depth with clear, client-facing communication. Available to start immediately.

EDUCATION

Artificial Intelligence Specialization
Universidad Autónoma de Occidente
2024

Project Management Specialization
Corporación Universitaria de Asturias
2022

B.Eng. Systems Engineering
Universidad del Pacífico
2016 – 2021

Business Management
Universidad Autónoma de Manizales
2013 – 2017

Information Technology Technologist
Universidad del Pacífico
2010 – 2013

TECHNICAL SKILLS

Backend
Ruby, Ruby on Rails, REST APIs, Python, JavaScript, SQL

Data
PostgreSQL (Supabase), relational data modeling, database migrations

AI & Automation
AI agent integration, n8n, Robocorp (RPA), low-code workflows

Cloud & DevOps
AWS (S3), Docker, CI/CD, SecDevOps

Integrations
Google Calendar API, Zoho CRM, JWT authentication

Operations
Incident management, SLA compliance, escalation, technical documentation

Product

EXPERIENCE

2025 – Aug 2026 — **SITIC S.A.S.**
SUPPORT ENGINEER

- Provided software and hardware support to retail stores including Mattelsa, Studio F and ELA, keeping points of sale operational.
- Triaged, prioritized and resolved incidents for Monómeros, Olímpica, Dollarcity and Coéxito, escalating to technical teams by severity.
- Monitored response and resolution times to meet SLA commitments.
- Supported end users directly, focused on service quality and operational continuity.

2023 — **JUZTO.CO**
APPLICATION SUPPORT ANALYST

- Supported users across Zoho CRM, AWS S3 and Supabase.
- Diagnosed and resolved production issues in real time.
- Documented incidents and improved support workflows.

2021 – 2022 — **BAIRESDEV**
RUBY ON RAILS SOFTWARE ENGINEER

- Built a medical appointment management system in Ruby on Rails integrated with the Google Calendar API.
- Collaborated in an Agile team, maintaining high standards of code quality and client communication.

2020 – 2022 — **CRIPTOTURA**
FOUNDER & CEO

- Ran a blockchain education and trading venture, delivering training and technical advisory to clients.
- Led projects involving smart contracts and decentralized applications (DApps).

2016 – 2021 — **FREELANCE**
FULL-STACK DEVELOPER

- Developed web applications and scalable solutions for clients in Mexico, Spain and Argentina.
- Managed requirements directly with clients, delivering on time and to quality standards.

UX/UI design, Agile delivery

SOFT SKILLS

- Client communication
- Problem solving under pressure
- Leadership and teamwork
- Critical thinking

LANGUAGES

Spanish — Native
English — Intermediate
Portuguese — Basic

2018 – 2021 **FOLKLORE CLOTHES**
CO-FOUNDER · COO / CMO / CFO

- Ran digital campaigns, sales and operations; coordinated the operations team to meet delivery times.

INDEPENDENT PROJECTS & CONTENT

2024 – 2026 **MASONCODING · TECHNICAL CONTENT**
CONTENT CREATOR: SOFTWARE ARCHITECTURE AND DESIGN

- Published architecture and design content on TikTok, YouTube and Medium. TikTok: 483,205 video views in the last 12 months. YouTube: 9,410 views across 142 videos.
- Medium: 15,223 views and 6,990 reads across 56 articles (Oct 2023 – Feb 2026), on design principles, container orchestration and architecture trade-offs.

2026 **EL TALLER**
LOCAL JOB-SEARCH AGENT FOR WINDOWS · RUNNING LOCALLY

- Built a desktop agent that finds remote roles, scores them against my profile, drafts B2B proposals and cover letters as PDFs, and reviews portfolio contacts. Every action waits in an approval queue.
- Stack: Python, FastAPI, SQLite, Claude Agent SDK, Google APIs, Playwright; packaged as a Windows executable.

2025 **SHURIKAPP**
RAILS API-ONLY PRODUCTIVITY PLATFORM · PAUSED

- Designing an API-only Ruby on Rails platform for freelancers and remote teams supporting Kanban, Scrum, Shape Up, XP and Lean.
- Implemented the full data model: 23 migrations with UUID primary keys and complete models; building JWT-authenticated API controllers, with a Next.js front end planned.

2024 **RUTERO**
WEB PLATFORM FOR DAY TRIPS ON COLOMBIA'S PACIFIC COAST · PAUSED AFTER PHASE 2

- Designed a booking platform that bundles transport, lodging, local food and cultural and eco-activities into one reservation, with a focus on local communities and sustainable tourism.
- Completed Phase 1 (requirements, system architecture, wireframes and mockups) and reached Phase 2 (MVP development: search and booking, payments and profiles, provider panel).

2023 **REXFY**
B2B MARKETPLACE FOR RECYCLABLE MATERIALS

- Built the web app (Next.js, TypeScript) and the API (FastAPI, SQLAlchemy, Alembic, PostgreSQL), with Redis-backed email workers and Clerk sign-in.

2022 **KOVZU**
ORDER MANAGEMENT FOR WORKSHOPS · RAILS 8

- Built order tracking from quote to delivery: sample review, quality inspections, deviation reports and payments, on Rails 8, Hotwire, Tailwind CSS 4 and PostgreSQL.

2021 **CAVIFORJ**
COURSE PLATFORM FOR TEACHERS

- Built a course platform with lessons, file uploads and drag-and-drop ordering, on Next.js 15, React 19, Prisma, Clerk and UploadThing.