

# ISMAEL G. MARIN CABRERA

Staff Software Engineer & AI Engineer | Building Pragmatic AI Workflows, Evals & High-Throughput Backend Architecture

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**20** YEARS EXPERIENCE | **20+** PRODUCTION CODEBASES | **370+** PULL REQUESTS | **40+** ADRS / RFCS | **2,000+** OSS DOWNLOADS | **10K+** TPS HANDLED

## PROFESSIONAL SUMMARY

I bridge 20 years of battle-tested backend architecture with the bleeding edge of Agentic AI Engineering. For the last decade, I have built scalable Rails systems for US and LATAM SaaS companies, and I am now focused on bringing software engineering discipline -- TDD, Spec-Driven Development, RAG pipelines, and rigorous Evals -- to AI infrastructure and agentic workflows. At Dealerware (Tech Lead, 4 years), I delivered **370+ PRs**, authored **40+ ADRs**, and led systems handling **10,000+ transactions/hour**. I shipped a zero-downtime Elasticsearch to OpenSearch migration and grew test coverage from 55% to 80% using AI-assisted edge case discovery. My philosophy is rooted in continuous learning, Domain-Driven Design (DDD), Test-Driven Development (TDD), and zero-downtime operations. Currently mastering Rust and Python to build high-performance CLI tools and runtime frameworks that make AI practically useful, safe, and measurable in production.

## CORE COMPETENCIES

**Ruby on Rails** | **Agentic AI** | **MCP Server Design** | **RAG** | **Evals** | **Domain-Driven Design** | **Staff Engineering** | System Architecture

Distributed Systems | Test-Driven Development | Go | Python | Rust | PostgreSQL | Redis | Sidekiq | OpenSearch

Elasticsearch | AWS | Google Cloud | Docker | REST APIs | Microservices | LangGraph | LLM APIs | Technical Writing

Engineering Leadership

## OPEN SOURCE

**rails-ai-bridge**  
Zero-config MCP server for Rails apps. Exposes schemas, routes, models across 9 read-only tools.  
[2,000+ downloads on RubyGems](#)

**rails-agent-skills**  
Production-grade Rails skill library for AI coding agents. TDD, DDD, workflow chaining as hard-gates.  
[Cursor](#) · [Claude Code](#) · [Aider](#)

**ruby-skill-bench**  
Multi-LLM evaluation framework connecting models like Gemini, DeepSeek, and Kimi to benchmark agent skills via Evals and ReAct patterns in isolated sandboxes.  
[Gemini](#) · [DeepSeek](#) · [Kimi](#) · [Evals](#) · [ReAct](#)

**agent-mcp-runtime**  
High-performance agentic runtime framework in safe Rust for executing complex ReAct patterns.  
[Safe Rust implementation](#)

## PROFESSIONAL EXPERIENCE

**Software Technical Lead | Dealerware** May 2022 - April 2026 | Remote

- Led a backend engineering squad of 4-5 engineers across **20+ production codebases**, authoring 40+ RFCs, ADRs, and engineering charters for systems handling **10,000+ transactions/hour**.
- Architected and executed a **zero-downtime migration** from Elasticsearch to OpenSearch across the primary API codebase, eliminating search-service risk for a revenue-critical platform.
- Drove test coverage from 55% to 80% by introducing AI-assisted edge case discovery and engineering-wide testing standards, directly reducing production incident rate.
- Pioneered AI-augmented development by implementing Codex, GitHub MCP, and Atlassian MCP integrations, measurably improving developer velocity.
- Delivered **370+ high-impact pull requests** over 4 years while maintaining technical leadership and architectural oversight.
- Built analytics integrations with Databricks and ThoughtSpot, enabling real-time executive dashboards and data-driven decisions.
- Architected an Auth0-powered federated identity management layer securing user lifecycles platform-wide.

Ruby on Rails · Sidekiq · Redis · OpenSearch · PostgreSQL · AWS · Docker · Databricks · ThoughtSpot · Auth0

## Lead Software Engineer | 3Pillar Global

Sep 2020 - Oct 2021 | Remote

- Architected a comprehensive end-to-end **i18n framework** across backend, frontend, and third-party integrations using DDD patterns and RSpec, enabling expansion into new global markets.
- Improved response times on high-load endpoints by defining RESTful API contracts and introducing **Go microservices** for latency-sensitive distributed processes.
- Modernized a legacy Rails monolith by enforcing Domain-Driven Design boundaries and expanding automated test coverage, reducing regression risk.

Ruby on Rails · Go · RSpec · REST APIs · PostgreSQL

## Lead Software Engineer | United Virtualities

Aug 2019 - Aug 2020 | Remote

- Led full project lifecycle from technical design through AWS production deployment across e-commerce, startup MVP, and web application projects using Rails and Next.js.
- Managed client expectations, budgets, and delivery timelines across concurrent engagements as technical lead and client-facing point of contact.

Ruby on Rails · Next.js · JavaScript · PostgreSQL · Docker · AWS

## Tech Lead, B2B | Reservamos.mx

Aug 2018 - Aug 2019 | Monterrey, Mexico

- Led a cross-functional team to deliver enterprise B2B features for Latin America's leading bus travel booking platform.
- Designed and shipped white-label integrations enabling enterprise partners to embed Reservamos booking capabilities.

Ruby on Rails · JavaScript · PostgreSQL · REST APIs

## Staff Engineering Manager / Lead Engineer | MagmaLabs

Feb 2016 - Aug 2018 | Remote

- Progressed through three successive technical leadership tiers, overseeing all company-wide engineering projects and coordinating Engineering Managers.
- Leveraged deep Spree/Solidus expertise to build bespoke international checkout workflows, subscription models, and gateway integrations.

Ruby on Rails · RSpec · Spree · Solidus · Heroku · Docker

## Backend Developer & Technical Advisor | Nebula Ideas

Dec 2010 - Jan 2016 | Remote

- Designed and built production applications for early-stage clients using Ruby and Python -- e-commerce platforms, CMS systems, and startup MVPs.
- Served as technical advisor, helping clients define product scope and make architecture decisions.

Ruby · Python · Ruby on Rails · JavaScript

## EDUCATION

<b>Master of Information Technology</b> UNIVER Plantel León	2004 - 2006
<b>B.S. Information Technology</b> UNIVER León	2002 - 2005
<b>Cert. Linux/Unix System Administration</b> University of Illinois Urbana-Champaign	2006 - 2007

## CERTIFICATIONS

<b>AI &amp; Machine Learning:</b> Building Agentic AI Systems & AI Agents in LangGraph (DeepLearning.AI) · Generative AI Fundamentals (Databricks) · AI Fundamentals (DataCamp)
<b>Leadership:</b> Advanced Product Management: Vision, Strategy & Metrics (LinkedIn)
<b>Professional:</b> C1 Advanced English (TestGorilla) · Clean Code Excellence · Agentic AI for Developers (LinkedIn) · Data Science for Everyone · Ruby on Rails Essential Training

## ADDITIONAL INFORMATION

**Languages:** Spanish (Native) · English (C1 Advanced, professional proficiency)

**GitHub Community:** 88+ public repositories · GitHub Extraordinaire x2 · Pull Shark x3 · Achievement badges for sustained contribution

**Blog:** medium.com/@igmarin · **Portfolio:** igmarin.github.io