Alejandro Ballesteros

SENIOR FULL-STACK DEVELOPER
AI ENGINEERING & AGENT ORCHESTRATION

CONTACT

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LinkedIn GitHub Portfolio

AI FOCUS

I turn AI from a coding assistant into a full delivery workforce — I define architecture, prompting, guardrails and quality gates while agent teams execute.

Multi-Agent | Agentic SDLC | RAG | MCP / Tool Use

TECHNICAL SKILLS

AI & AGENTS
Multi-agent orchestration, LLM app design, prompt engineering, RAG, AI code review, MCP/tool use

LANGUAGES & FRAMEWORKS
Ruby on Rails, JavaScript, React, Next.js, Vue.js, Node.js, Python, .NET, Java, C++, PHP, jQuery, Bootstrap, HTML/CSS

DATABASES & APIS
PostgreSQL, MySQL, SQL Server, Oracle DB, NoSQL, Redis, Sidekiq, RESTful APIs, GraphQL

CLOUD & DEVOPS
AWS (Kubernetes, S3, CloudFront), Azure / Azure DevOps, Docker, CircleCI, Git, GitHub, Heroku, Render

TESTING (TDD)
RSpec, Selenium, Capybara, Cypress

PAYMENTS & MOBILE
OpenPay, Conekta, Adyen, PayPal · Titanium Studio

AGILE & TOOLS
Scrum, Jira, Notion, Shortcut, Trello, Slack, RubyMine

LEADERSHIP
Team & delivery leadership, architecture, distributed teams, mentoring

LANGUAGES

Spanish — Native
English — Professional working proficiency

AI ENGINEERING & AGENT ORCHESTRATION

Hands-on expert in building with the leading AI models and orchestrating them as collaborating agents. I design and direct networks of specialized AI agents — each with a defined role (product analyst, architect, developer, QA/tester, code reviewer, DevOps) — that collaborate to plan, build, test and ship complete, production-grade software across the full development lifecycle **without writing a single line of code by hand**. I own the architecture, prompting, guardrails, quality gates and reviews while the agent team executes.

ANTHROPIC	Claude · Claude Opus · Claude Sonnet · Claude Code
OPENAI	GPT-4 / GPT-4o · GPT-5 · o-series · Codex
GOOGLE	Gemini
CAPABILITIES	Agentic SDLC · Prompt Engineering · AI Code Review · AI Delivery Mgmt · Globant AI & Agents

PROFESSIONAL SUMMARY

Senior Full-Stack Software Engineer with **12+ years** delivering web platforms from small businesses to large-scale e-commerce systems such as Sephora. Deep expertise in Ruby on Rails, React and JavaScript, system architecture, and leading distributed international teams. Over the last two years I have re-centered my practice on AI engineering and AI-agent orchestration, combining strong software fundamentals with the leading LLMs (Anthropic Claude & Opus, OpenAI GPT, Google Gemini) to design agent teams that deliver complete solutions end-to-end.

PROFESSIONAL EXPERIENCE

Full-Stack Developer & AI-Agent Engineer — Freelance
JAN 2026 — PRESENT

Chihuahua, México · Independent full-stack delivery for multiple clients
Ruby on Rails · React · Next.js · PostgreSQL · RESTful APIs · AI Agents (Claude / Opus / GPT) · GitHub · AWS · Render · Heroku

- Deliver complete web products — a parking-meter (parquímetros) management platform, an orthodontics clinic site, and conversion-focused landing pages — by orchestrating specialized AI agents (Claude, Opus, GPT) across the full SDLC under my architectural direction.
- Built a parking-meter platform with a React front end and Ruby on Rails back end / business logic, driven by agent-generated code that I architect, review and quality-gate to production standard.
- Designed RESTful services in Rails for form submissions and client-side integrations; implemented lead-capture flows centralized through a Rails API.
- Deployed and maintained apps across Heroku, Render and AWS; owned versioning, review and release workflows via GitHub.

Senior Ruby on Rails Developer — Blueriver
SEP 2025 — DEC 2025

Chihuahua, México · Client: Blackbaud — college scholarship platform (applications to funding organizations)
Ruby on Rails · RubyMine · GitHub · AWS · Heroku · Azure · Slack · Bootstrap · PostgreSQL · Docker

- Helped with major Ruby and Rails version upgrades and developed new features for the core business application.
- Maintained and refactored legacy code for existing features of the main application and internal applications.

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PROFESSIONAL EXPERIENCE (CONTINUED)

- Coordinated with QA teams to validate changes and helped resolve support tickets raised by customer service.

Senior Ruby on Rails Backend Developer — Globant
APR 2023 — AUG 2025

Chihuahua, México · Client: Connective Rx — healthcare technology (prescription management & patient support)

Ruby on Rails · GitHub · AWS · Azure DevOps · PostgreSQL · Docker · VueJS · Next.js · .NET · SQL Server · GraphQL · Globant AI & Agents

- Completed Globant's internal AI & AI Agents training program, adopting AI-assisted engineering and agent-based workflows to accelerate delivery.
- Led major Ruby and Rails version upgrades and developed new features for the client's core business application.
- Refactored legacy code to improve maintainability and reliability; coordinated with QA to safeguard release quality.
- Maintained additional internal applications supporting business operations.

Senior Ruby on Rails Backend Developer — Augmented X
APR 2022 — FEB 2023

Client: Nowsta — online workforce-management platform (scheduling & payments)

Ruby on Rails · GitHub · AWS · Heroku · Notion · Shortcut · Bootstrap · PostgreSQL

- Partnered with PMs to define and deliver each release; built new features and refactored legacy code for the main app and internal tools.
- Coordinated with QA to validate changes and resolved customer-raised support tickets.

Senior Ruby on Rails Backend Developer — SwissMex
SEP 2021 — MAR 2022

Client: Olocal — SMB marketing & reviews platform · Mexico City

Ruby on Rails · GitHub · Jira · Bootstrap · Jelastic · PostgreSQL · Geo-coder · AWS

- Led end-to-end development of the main business system; coordinated the team and assigned work by developer skill set. Built the product road map from client needs and issue severity, and introduced more efficient tooling for the system's data.

IT Consultant — Sephora México
SEP 2018 — AUG 2021

Sephora México eCommerce — global makeup e-commerce · Mexico City

Ruby on Rails · GitHub · Heroku · AWS · Adyen · Bootstrap 4 · jQuery · PostgreSQL · Trello · Slack · SAP · OMS · SFCC

- Led migration of the former Ruby on Rails e-commerce platform to Salesforce Commerce Cloud.
- Built the Omni-Channel road map for Sephora MX and the business case for a marketplace project (technical requirements, infrastructure, partners).
- Coordinated and led development with distributed teams in Singapore, India, Brazil, Colombia, France and Vietnam.
- Prioritized features/bug fixes for the e-commerce and Loyalty Program; managed the e-commerce IT budget and the Beauty Club loyalty platform.

Ruby on Rails Full-Stack Developer — Populus Fintech
APR 2017 — MAY 2018

Client: SXKM — usage-based (telematics) car insurance · Mexico City

Ruby on Rails · Ionic · GitHub · Bootstrap · jQuery · Conekta · OpenPay · PostgreSQL · Trello · Slack · SCRUM

- Led SCRUM for analysis, planning and tracking; strengthened Rails API services and refactored the codebase to new business rules. Migrated the payment gateway from Conekta to OpenPay, built web services for the mobile app and redesigned/migrated the database.

Ruby on Rails Full-Stack Developer — Boletia
SEP 2016 — FEB 2017

Event ticketing platform (creation to venue check-in) · Mexico City

Ruby on Rails · GitHub · CI · Jenkins · Bootstrap · jQuery · Conekta · PostgreSQL · Centos · Redis · Trello · Slack

- Refactored modules and built new components for company statistics, implemented unit and integration tests; worked in operations/technical support on complex problems, documented new modules, and set up venue check-in equipment.

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PROFESSIONAL EXPERIENCE (CONTINUED)

Ruby on Rails Professor — Desafío Latam JUL 2016 — JAN 2017
Web development instructor · Mexico City

- Taught Rails fundamentals to career-changers: MVC, ActiveRecord, associations/validations, auth (Devise, CanCan, OmniAuth), version control, Heroku deployment, shopping cart, and AWS buckets/servers.

Full-Stack RoR Developer — Intermediaria de Espectáculos S.A.P.I. SEP 2015 — JUL 2016
Client: Bolettos — ticket resale platform · Mexico City
Ruby on Rails · Bootstrap · jQuery · Capybara · RSpec · OpenPay · Twilio · RESTful services · MySQL · Passenger · Apache

- Main architect/developer of bolettos.com — designed the application and database architecture and managed server & DB; implemented auth, roles, permissions, sales, purchases, statistics and management console (OpenPay, 99 minutos, Geo-coder, Twilio SMS), and built mobile ticket create/scan modules with JSON REST services, deployed with Passenger/Apache.

Ruby on Rails Backend Developer — Soluciones Ecom S.A. de C.V. JAN 2013 — JUL 2015
Client: eMobile — inventory & delivery tracking · Chihuahua
Ruby on Rails · Titanium Studio · GitHub · SCRUM · Bootstrap · jQuery · RSpec · Site5

- Built the mobile app with Titanium Studio and supported the main Rails application; built custom Rails apps to fit client needs, managed the database and deployed with Passenger and Apache.

EDUCATION

Software Engineer — Universidad Autónoma de Chihuahua JAN 2010 — MAR 2013
Chihuahua, México · Top of the class; recruited by the university before completing the degree.

Aerospace Engineering — University of Texas at Arlington JAN 2006 — DEC 2009
Arlington, USA · 56 credit hours completed in Aerospace Engineering.

Mechanical Engineering — The University of Texas at El Paso AUG 2003 — DEC 2005
El Paso, USA · 24 credit hours in Mechanical Engineering plus 27 in Liberal Arts; achieved English fluency here.

COURSES & TRAINING

AI & AI Agents Training — Globant (internal program) 2023 — 2025
Ruby on Rails — Online JAN 2016 — OCT 2016
Titanium Training & Certification — Guadalajara, Jalisco AUG 2013