

Xavi Ramirez

AI / ML Platform Engineer / LLMs · RAG · Evals · Agents · AWS · Python · Java

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AI platform engineer with 13+ years in production systems on Java, Spring Boot, Python, React and AWS, focused on LLM and ML systems in regulated insurance workflows. Built ACORD submission intake at Guidewire on ABBYY and AWS Bedrock, with underwriter review apps in Jutro. Now building agentic systems end to end — RAG and context pipelines, eval suites that gate deploys, cost optimization and guardrails.

■ EXPERIENCE



2025.09 →
present

AI Platform Engineer — Dreamcode.io

- Architect and operate production agentic systems in Python and LangChain — deciding agent vs. workflow vs. deterministic code, with validated, versioned tool schemas and typed contracts.
- Built context pipelines (RAG, memory, token budgeting) and eval suites wired into CI so groundedness and accuracy regressions block deploy.
- Cut LLM cost 5–10x via model cascading, prompt caching and context trimming, optimizing cost per successful task with no measured quality loss.
- Designed guardrails, prompt-injection and PII defenses, and gated human review, with React operator UIs for observability and audit trail.

Python · Java · React · LangChain · RAG · Evals · AWS · PostgreSQL



2023.01 →
2025.09

Senior Software Engineer, Submission Intake — Guidewire Software

- Senior engineer on submission intake — ML-driven ingestion of ACORD forms from PDF, scans, email and other channels, using ABBYY for capture and OCR and AWS Bedrock LLMs for extraction, classification and normalization.
- Built underwriter-facing Jutro apps that flag suspicious extracted fields for review, combining per-customer validation rules with model confidence.
- Delivered natively on the multitenant Guidewire Cloud Platform — GW Functions, APD, Lifecycle Manager, App Events (Kafka), Workflow Service — with the PolicyCenter handoff migrated to the Composite API for single-transaction account, job and coverage creation.

Java · Kotlin · Spring · Kafka · Camunda · AWS · Python · React · CV/OCR · MLOps



2021.09 →
2022.12

Senior Software Engineer — Walmart

- Built and operated self-checkout platform services on Java/Spring microservices serving millions of customers across the US, Mexico and Canada.
- Sustained very high availability on critical checkout and transaction APIs through peak retail traffic, with production monitoring and fast triage.
- Analyzed large-scale sales data in Python to surface transaction and performance insights that informed platform improvements.
- Tuned microservices for latency, throughput and resilience on a system operating at multi-country retail scale.

Java · Spring · AWS · REST · Python · Big Data · Event-driven architecture



2018.01 →
2021.07

Senior Software Engineer — ScienceLogic

- Owned the dynamic dashboards in React and D3, visualizing telemetry from millions of records streamed off monitoring agents in near real time.
- Built the backend on Node.js and Python microservices behind a GraphQL gateway, unifying data access for the dashboard layer.
- Engineered the data flow to aggregate and query high-volume agent telemetry efficiently for responsive, interactive visualizations.
- Delivered performant D3 visualizations that made large-scale telemetry legible for operators.

React · D3 · Node.js · Python · GraphQL · Microservices

EARLIER EXPERIENCE

2017 →
2018

Senior Software Engineer — Contractor (DNSFilter, Prognos Health, Finetune)

Built Spark/Databricks ingestion for large-scale lab-test records, plus real-time telemetry dashboards and GraphQL APIs for global hardware fleets.

Java · Scala · Spark · GraphQL · AWS

2014 →
2017

Software Architect — LatAm Autos

Led 30 developers to re-architect a multi-market platform in LATAM and migrate acquired marketplaces onto one stack; shipped a real-time buyer–seller framework.

Java · Spring · NodeJS · React · Kafka · AWS · Docker · K8s

2010 →
2014

Software Engineer — Espaciolink, Devsu, nDeveloper

Built enterprise banking and insurance platforms for international brands — the foundation in Java EE, Spring and transactional database design.

Java · Spring · PHP · MySQL · SOAP

TECHNICAL SKILLS

llm systems

RAG (chunking, hybrid retrieval, reranking), agents and tool calling, MCP, prompt engineering, context engineering, model cascading, prompt caching

evaluation/safety

Eval suites gating CI, groundedness/faithfulness metrics, guardrails, prompt-injection and PII defenses, human-in-the-loop review

ml platform

Fine-tuning, CV/OCR model training, retraining loops,

cloud/infra

AWS (Bedrock, ECS, Lambda, SQS, EC2, DynamoDB, S3, CDK, WAF), Docker, Kubernetes, Terraform, CI/CD

backend

Java, Kotlin, Python, TypeScript, Spring Boot, Kafka, Camunda (BPMN), event-driven architecture, REST, GraphQL

EDUCATION & CERTIFICATIONS

2005 →
2011

B.Sc. Computer Science

Universidad de las Fuerzas Armadas (ESPE), Ecuador — software engineering & systems architecture

2016

Certified ScrumMaster (CSM) · Certified Scrum Product Owner (CSPO)

Scrum Alliance