David Arce

Tech Lead @ Inditex · AI Engineering Enabler

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SUMMARY

Tech Lead at Inditex with 14+ years building scalable backend systems, event-driven architectures and microservices across e-commerce, payments and enterprise platforms. AI Engineering Enabler: I give teams the tools, skills and agentic software factories to work with AI pragmatically, safely and at scale. Core stack: Java and Spring Boot.

CORE SKILLS

AI & Agents: Agentic AI Development, AI-First Development, AI Agents, Agentic Software Factories, Human-in-the-Loop Workflows, Context Engineering, Spec-Driven Development, Prompt Engineering

Technical Leadership: Technical Leadership, Architecture Ownership, Mentoring & Team Growth, AI Adoption

Backend: Java 25, Spring Boot 4.x, Spring WebFlux, Kotlin, Go, Python

Architecture: Software Architecture, Event-Driven Architecture, Microservices, Distributed Systems

Cloud & Data: AWS, Google Cloud Platform, Docker, Kubernetes, CI/CD, DevOps, Kafka

EXPERIENCE

Technical Lead · Inditex

May 2026 – Present

- Drive technical decisions, architecture standards and team growth.
- Champion AI adoption as a first-class engineering practice, moving teams from implementation-focused work to higher-value architectural thinking.
- Build agentic software factories: autonomous, human-in-the-loop workflows so the team focuses on business understanding and acceptance criteria while agents handle the rest.

Stack: Java 25, Spring Boot 4.x, Kafka, Claude Code, OpenCode, T3 Code, MCP, Agentic Workflows

Senior Software Engineer · Capitole

September 2022 – May 2026

- Trained developers across several teams on AI-assisted workflows, context engineering and Spec-Driven Development (SDD).
- Built internal libraries that integrate AI agents into the development lifecycle through reusable skills and structured workflows.
- Enabled a cross-functional model where backend and frontend engineers take on each other's tasks while keeping code quality and security standards.

Stack: Java 21, Spring Boot 3.x, Spring WebFlux, MongoDB, Kafka, Redis, PostgreSQL, Docker, Kubernetes

EARLIER

Software Engineer III · dLocal — 2023 – 2025

Software Engineer II · dLocal — 2021 – 2023

Senior Backend Engineer · Vortech — 2022

Senior Software Engineer · Appgate — 2021

Senior Java Developer · Yuxi Global — 2020 – 2021

Senior Software Engineer · Almundo — 2018 – 2020

Software Architect · Ceiba Software — 2016 – 2018

Software Developer Advance · Heinsohn Business Technology — 2012 – 2016

EDUCATION & CERTIFICATIONS

Bachelor's Degree in Computer and Systems Engineering · Universidad del Quindío — 2015

AI Integration (Codely) · MCP Fundamentals (Hugging Face) · MCP Automation (Hugging Face) · Clean Architectures (Codely) · Web Apps & Architecture (Educative)

Full detail, projects and AI enablement work at **davidarce.dev**