

Alejandro Diez Crespo

Applied AI and full-stack product leader

Luxembourg · alejandrodiez.com · linkedin.com/in/alejandrodiezcrespo · github.com/alejacre

SUMMARY

I deploy AI into real workflows and own the result from discovery through production. Seven years across operations and data, including two years building applied AI products with React, TypeScript, Python and frontier language models.

EXPERIENCE

Head of Data Science & AI, FBA EU · Amazon Luxembourg · 2025–now

Head since Jan 2026 · Senior Data Scientist Feb–Dec 2025 · Hands-on leader building and operating applied AI systems for internal account-manager teams and the external sellers they support.

- Shipped a Bedrock multi-agent defect-resolution pilot in about two months: ~72% first-contact resolution, ~2 minutes per case versus a 30-minute target, ~100 users.
- Built a Bedrock and Redshift seller-coaching platform used for ~2,100 sellers: coaching time down from ~90 to 5 minutes, return rate improved ~11%, ~94% of investigations run autonomously.
- Built multi-tenant RAG and evaluation infrastructure with Bedrock Knowledge Bases, OpenSearch and MCP, using golden datasets and hallucination-aware LLM-as-judge rubrics.
- Won Amazon FBA's 2026 AI Trailblazer award (shared with one co-builder, selected from 500+ people).
- Turned one-off builds into a reusable agent stack for a 150+ person organization; prompt caching cut token cost by ~90%.
- Built the team from zero: ran 30+ technical interviews, then built alongside four engineers.

Tech Founder · TopTech 2025–now

- Built and operate an AI career platform end to end alongside a full-time role: CV analysis, mock interviews, salary intelligence and cover letters with Claude, OpenAI Whisper and text-to-speech.
- Own the React/TypeScript frontend, Python and Convex backend, Stripe billing, PostHog analytics, Vercel deployment and every external API integration.
- Hardened production with verified idempotent webhooks, structured model output, bounded retries with model fallback and per-IP rate limits.

Senior Data Analyst · Amazon Logistics London, UK · 2022–2024

Built and supported production planning software and forecasting models for European operations.

- Shipped a React and Python capacity-planning application still used by 40+ program managers: ~7 hours saved per week, ~40% higher planner productivity.
- Built an AutoGluon forecasting ensemble across 300+ delivery stations in nine countries.
- Ran planning pipelines over 600+ raw KPIs; added Meta Prophet forecasting for ~4% better plan-versus-actual accuracy.

Area Manager II · Amazon Madrid, Spain · 2020–2022

Launched a delivery station, led 60+ people and redesigned workflows for 15% time savings adopted across Europe.

Risk Advisory Consultant · Deloitte Madrid, Spain · 2019–2020

Worked on site with enterprise clients; delivered risk-assessment tooling and a custom compliance application.

Software Development Intern · NTT Data Madrid, Spain · 2018

Built Angular frontend components.

SKILLS

Languages	TypeScript, JavaScript, Python, SQL, Java, C++
Frontend	React, Tailwind CSS, Cloudscape
Backend & delivery	Node.js, Python, Convex, AWS Lambda, Fargate/ECS, DynamoDB, SQS/DLQ, EventBridge, CI/CD, IaC/CDK, testing, Vercel
Applied AI Integrations	Amazon Bedrock, Anthropic, OpenAI, multi-agent orchestration, RAG, MCP, LLM evaluation, voice AI REST APIs, Stripe, Redshift, OpenSearch, PostHog, third-party system integrations

EDUCATION & CERTIFICATIONS

MSc Telecommunications Engineering · Universidad Europea 2019–2020

Thesis: machine-learning treatment of unstructured data with AWS APIs and Python.

Dual BEng, Electronics & Digital Communications / Telecommunications Engineering · University of Hertfordshire · Universidad Europea 2015–2019

Thesis: speaker recognition with autonomous learning techniques (MATLAB).

AWS Certified AI Practitioner · Cambridge Advanced English (C1)