

Pablo Albaladejo Mestre

Senior Software Engineer · x9 AWS Certified · Backend & AI at Scale · 17+ Years

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SUMMARY

I build systems that scale, and make AI work in production. 9x AWS-certified engineer with 17+ years designing high-throughput architectures — currently powering 1M+ daily transcriptions at Aircall across serverless microservices with +99.9% reliability. Former CTO and startup co-founder who bridges infrastructure, product instinct, and cutting-edge AI into features that ship.

EXPERIENCE

Senior Software Engineer & AI Architect

Mar 2025 – Present

Aircall · Madrid (Hybrid)

- Architected **AI-powered Call Summarization platform** processing 10K+ daily transcriptions with +99.9% reliability across serverless microservices, serving thousands of B2B customers
- Shipped **Company Context Knowledge Graph** and **Prompt Optimizer**: streaming LLM features that let customers enrich and customize AI-generated insights in real time
- Pioneered **LLM evaluation practices** with Braintrust benchmarks as quality gates for model migrations; full observability with Datadog
- Delivered **Async Transcription** end-to-end — new microservice from scratch to production in ~3 weeks using Lambda, SQS, Step Functions, and Aurora PostgreSQL, including public API and webhooks
- Drove **AI adoption org-wide**: AI Guild standards, internal SDLC agent, CDO automation, company-wide AI Showcase

Founder Engineer

Jan 2026 – Present

Deepgent · deepgent.net (Remote · Side project)

- Built **multi-tenant AI chatbot SaaS** solo (TypeScript, Python, AWS Bedrock) — agentic tool calling with fail-closed auth, identity verification (KBA + OTP), circuit breakers, and per-tenant tool whitelisting
- **RAG knowledge base** with layered prompt architecture and company-scoped isolation; **LLM eval framework** (grounding, honesty, LLM-as-judge) as CI quality gates; **MCP Server** for AI-assisted admin ops

Lead Cloud Software Engineer

Apr 2022 – Mar 2025 · 3 yrs

hireful · Remote

- Led migration of legacy apps to **cloud-based, event-driven architectures** using hexagonal architecture, Node.js, NestJS, Lambda, DynamoDB, Fargate and CDK
- Implemented **CI/CD pipelines** with AWS CodePipeline, GitHub Actions, and Docker, enforcing automated testing gates for high-quality B2B SaaS delivery
- Designed **cloud-native microservices** with API Gateway, Fargate, and MongoDB, aligning technical decisions with product strategy

Strategist Product Engineer

Mar 2021 – May 2023 · 2 yrs

Sporttrait · Remote (Part-time)

Defined technology strategy and designed full B2C SaaS infrastructure with Next.js, AWS EventBridge, and containerized deployments on Kubernetes and Docker.

Software Architect / Technical Lead

Sep 2018 – Mar 2022 · 3.5 yrs

DCSL GuideSmiths Spain · Madrid

Led digital transformation projects for B2B clients, managing squads of 2–4 delivering React.js, AWS, and React Native solutions.

CTO & Technical Co-Founder

Feb 2018 – Aug 2018

Athletika · Alicante

Built MVP from scratch during seed phase (React.js, React Native, GCP/Firebase). Pivotal role in business and investment processes.

Mobile Lead Developer

Jun 2017 – Feb 2018 · 9 mos

everis · Alicante

Led hybrid mobile development for a banking group, delivering customizable apps with security compliance and test automation. Technical reference and internal trainer.

CTO

Oct 2014 – May 2015 · 8 mos

MedBravo · Alicante

Built a HealthTech SaaS platform for cancer patient referral to clinical trials. FICHe finalist at Health 2.0 Europe.

Software Engineer

Mar 2009 – Oct 2014 · 5 yrs 8 mos

Indra · Madrid

MIDCAS project for European Defence Agency: developed anti-collision algorithms for UAVs in non-segregated airspace (C, C++, Monte Carlo).

FEATURED PROJECTS & WRITING

- **Kaiord** (kaiord.com · Kiroween Hackathon 2025) — TypeScript monorepo with hexagonal architecture, npm packages, CLI, MCP server, and plugin system for fitness data conversion; 80%+ test coverage
- **Technical articles** on Dev.to — AI Memory Systems for Agentic AI, Spec-Driven Design with Kiro IDE

EDUCATION

Ingeniero Superior en Informática (B.Sc. + M.Sc. Computer Engineering)

2002 – 2010

Universidad Complutense de Madrid

AWS CERTIFICATIONS (X9)

Generative AI Developer – Professional (Early Adopter, 2026) | **Solutions Architect – Professional** (2026) | **Machine Learning Engineer – Associate** (2025) | **AI Practitioner** (Early Adopter, 2024) | Security – Specialty | Developer Associate | Solutions Architect Associate | SysOps Administrator Associate | Cloud Practitioner