Daniel Alba

Tech Lead

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Ground-up construction at evoluxia of the Cornerstone customization and integration platform on AWS, evolving it into Java and Maven microservices, event-driven architecture, Next.js applications on Amplify, and applied AI solutions. Technical team coordination, architecture and standards definition (SOLID), and direct work in the codebase from R&D (I+D) agent pilots to live client systems in production.

CORE COMPETENCIES

Technical leadership, distributed and microservices architecture, event-driven architecture, design patterns and SOLID principles, team coordination, SaaS development, REST integrations, testing (unit, API, and UAT), cloud operations, and applied AI.

PROFESSIONAL EXPERIENCE

Tech Lead - evoluxia

April 2022 - Present | Sant Cugat del Vallès

- Architecture and standards definition with design patterns and SOLID principles, engineering team coordination, and hands-on code development.
- Conception and ground-up construction of the Cornerstone platform on AWS: JavaScript/GTM customization, Java and Maven microservices, REST APIs, and batch and event-driven pipelines distributing the employee golden record.
- Evolution of the platform into a distributed architecture of decoupled services, custom pages, and Next.js applications on Amplify, both integrated with Cornerstone and standalone.
- Integration of HR, ERP, and SaaS systems with corporate authentication, REST APIs, and unit, API, and user acceptance testing (UAT).
- Creation of the core product for an R&D (I+D) AI agents platform, with skills and interactive or event-driven background agents, plus a client document comparator in production.
- Creation of a complete curriculum management and merit scoring application for a client, using AI to check documents and merits via similarity percentage with final human decision.

DW-BI Project Manager (Data Warehouse and Business Intelligence) - atSistemas

May 2014 - April 2022 | Barcelona

- Data & BI project management, data warehouse modeling, ETL, and Qlik dashboards at FC Barcelona (CIONET Mejor Data Intelligence 2020 award).
- Definition of development standards and data quality policies agreed with business teams. Technical team coordination.

TOOLS AND TECHNOLOGIES

Java, Maven, Next.js, React, TypeScript, AWS Lambda, API Gateway, Microservices, Event-Driven Architecture, REST APIs, SOLID, Unit & API Testing, UAT, Aurora PostgreSQL, DynamoDB, CDK, Vercel, OAuth/SSO, Bedrock, OpenAI, Gemini, Textract, MCP.

RELEVANT PROJECTS

Cornerstone customization and integration platform

Present

- Conception and ground-up construction of the AWS platform: Java and Maven microservices, Lambda, REST APIs, JavaScript via Google Tag Manager, and batch and event-driven pipelines using Cornerstone as the employee golden record.
- Evolution toward custom pages and Next.js applications on Amplify, integrated or standalone. Expansion of evoluxia's offering as a Cornerstone partner.

Enterprise AI agents platform

Present

- Conception and development of the complete core product in R&D (I+D). Pilots presented to clients, aimed at evolving into a commercial product.
- Skills-based configuration and interactive or background agents, scheduled or event-driven. Internal UAT per use case.

AI document and label comparator

Present

- Creation of the product label and technical sheet comparator with OCR and AI for a client. Live in production.
- Field-by-field difference detection, audit history, and human review before approving changes.

Curriculum management, merit scoring, and AI validation

Present

- Conception and development of the complete application for a client: curriculum management, documents, calls, rubrics, rankings, and integrations.
- AI documentary check via configurable prompt and critical fields. Similarity percentage as review support rather than a merit score. Final human validation.

Personal training and health assistant

Present

- Personal product conceived end to end: Next.js web application, native iOS/HealthKit app, and Supabase cloud sync.
- Public anonymous demo featuring real workouts available without registration.

Corporate data warehouse and analytics dashboards

Project delivered at atSistemas for FC Barcelona | Professional stage 2014-2022

- Discovery leadership, centralization of silos and duplicate sources, and validation with business teams.
- Platform built from scratch with Oracle, PowerCenter, and Qlik. Trusted data, pilot expansion, and Mejor Data Intelligence 2020 award (CIONET).

Commercial dashboard and seat availability forecasting

Project delivered at atSistemas for FC Barcelona | Professional stage 2014-2022

- Ground-up leadership of the commercial dashboard replacing Excel-based tracking.
- Integration of ticket sales and member seat release forecasting for sales planning. UAT with key users.

EARLIER EXPERIENCE AND TEACHING

Lecturer - Master in Big Data and Analytics - OBS Business School

January 2020 - September 2021 | Spain

- Teaching the Data Governance module in the Master in Big Data and Analytics.

Project Manager - Serhs Tourism

August 2008 - February 2014 | Pineda de Mar

- Project management, frontend team coordination, and systems architecture from 2011, following the analysis and programming stage of the hotel wholesaler portal.

Excelium - .NET / ABAP Analyst Programmer | 2006 - 2008
CIRSA - Operations Consultant / Analyst Programmer | 2003 - 2006
S2 Servicios Informáticos - Analyst Programmer | September 1999 - June 2003
ABB - Systems Support | February 1998 - June 1998
Binsa - Programmer | January 1997 - December 1997

EDUCATION

Higher VET Diploma (CFGS) in Business IT (Specialist Technician · FP II)

CE Vidal i Barraquer | 1996 - 1999

Additional training

ThePower Business School, SAP All in One

LANGUAGES

Spanish: Native | Catalan: Native | English: Conversational, working proficiency.