

Xavier Mas Leszkiewicz

SOFTWARE ARCHITECT & ENGINEERING LEAD - DISTRIBUTED SYSTEMS, DATA PLATFORMS & CLOUD

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PROFESSIONAL SUMMARY

Software architect and engineering lead with 11 years building distributed systems, cloud and AI products at scale - terabyte-scale event pipelines at Telefónica, blockchain forensics at Elliptic, ML model serving at eDreams' search traffic, and serverless architecture for General Motors. Leading architecture across client engineering teams through BlueBerryBytes.

PROFESSIONAL EXPERIENCE

Software Architect & Founder

OCTOBER 2024 - PRESENT

Dubai, UAE

BlueBerryBytes

Leading engineering across 4 funded startups in parallel (~8-10 engineers); built and hired BlueBerryBytes' own 4-engineer team.

- Dawlati: lead technical authority - AWS architecture, engineering operations and technical strategy for their digital platforms.
- Qantara Sports (Impakt): technical strategy, cloud database architecture and AI integration for a sports talent acquisition platform.
- House Group / House of AI: AdTech data pipeline and production AI prototypes for corporate clients.
- Dress Up: fractional CTO - technical architecture and scaling of a consumer AI platform.
- Built and open-sourced Plan AI: a bot-free meeting recorder (Electron, BullMQ, Qdrant) that turns meetings into Jira tickets and architecture diagrams.

Senior Software Engineer

FEBRUARY 2023 - MARCH 2025

New York, USA (remote)

Lumenalta (formerly Cleverttech)

General Motors - Alert & Notification System (TypeScript, AWS):

- Designed and built a serverless system delivering alerts and incident notifications into GM's platform (API Gateway, Lambda, DynamoDB).

Swap Health (Ionic, React, Firebase, Google Cloud):

- Developed a cross-platform mobile app (iOS/Android) with offline sync, push notifications and real-time analytics.
- Integrated Firebase Authentication and Firestore, improving data consistency and security.
- Built a custom analytics dashboard allowing stakeholders to track user engagement.

Senior Full-Stack Software Engineer

FEBRUARY 2022 - FEBRUARY 2023

London, UK

Elliptic

Cross-Chain Forensics Platform (React, D3.js, Java, Scala, AWS):

- Led feature delivery as second-in-command of a ~15-person product team on Elliptic's blockchain

investigation product.

- Built graph-based visualization of cross-chain crypto fund flows used by institutional compliance analysts (React, D3.js).
- Collaborated on Java/Scala backend services consuming the data team's blockchain intelligence.

Senior Software Engineer

FEBRUARY 2021 - MARCH 2022

Madrid, Spain

Full On Net (Telefonica)

Telefonica IPTV Data Infrastructure (Python, Kafka, Kafka Streams, MongoDB, Celery):

- Merged Spain and LATAM IPTV event infrastructure - two continents unified into one terabyte-scale pipeline serving millions of households.
- Built the data-processing modules (transformation, aggregation, async processing) consuming Kafka streams into MongoDB.

Co-Founder and CTO

JUNE 2019 - FEBRUARY 2021

Barcelona, Spain

Relevanzz

Retention-Marketing Automation Platform (React, Node.js, ClickHouse, AWS):

- Built a platform that ingested e-commerce purchase data via API and Shopify into ClickHouse for behavioral segmentation.
- Automated Facebook/Instagram campaigns triggered daily by purchase patterns (e.g. "bought brand X, inactive 30 days" → targeted creative).
- Owned the full stack as technical co-founder: ingestion, segmentation engine and campaign activation.

Software Engineer - Machine Learning POD

JANUARY 2018 - JUNE 2019

Barcelona, Spain

eDreams ODIGEO

- Productionized the data science team's ML models at eDreams' search scale: Java serving APIs handling tens of thousands of requests per minute.
- Deployed models as PMML (XML) with strict timeout budgets and load balancing to protect search latency.
- Built and operated the supporting pipelines and observability (Kafka, Kubernetes, Docker, Elasticsearch/Kibana).

Java Developer - BI Revamp

JANUARY 2017 - JANUARY 2018

Barcelona, Spain

eDreams ODIGEO

- Developed distributed data-processing services for eDreams' BI platform (Java, SQL, MongoDB).
- Automated CI/CD pipelines with Maven and Kubernetes, substantially reducing deployment time.
- Implemented data aggregation and transformation strategies that cut reporting query times.

Java Developer and IT Security

APRIL 2015 - JANUARY 2017

Barcelona, Spain

SIA Group. Sistemas Informáticos Abiertos

- Worked in a high-security government environment, managing 250,000+ identities with Single Sign-On (SSO) and identity protection.
- Led the migration of legacy applications to a modern identity management system.
- Developed Java-based security applications integrating Active Directory, Oracle Identity Manager and Siteminder (SSO).

EDUCATION

MAY 2023

Postgraduate in Quantum Engineering

UPC School. School of Professionals & Executive Development

JULY 2016

Big Data Management & Analytics

UPC School. School of Professionals & Executive Development

MARCH 2015

Bachelor degree in Audiovisual Systems

UPC. Universitat Politècnica de Catalunya

FEBRUARY 2015

Bachelor Thesis

Technische Universität Berlin

Object Tracking with multiple cameras using real-world coordinates

CORE SKILLS

Technology Leadership

Software Architecture & Distributed Systems

AWS & Cloud Infrastructure

AI / ML & LLM Systems

Data Engineering & Kafka

Team Building & Mentorship