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# Xavier Mas Leszkiewicz

ENGINEERING LEADER — DISTRIBUTED SYSTEMS, CLOUD & AI AT SCALE

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## PROFESSIONAL SUMMARY

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Engineering leader with 10+ 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. Founder & CTO at BlueBerryBytes, serving as fractional CTO for funded startups: hands-on architecture, team leadership, and a product of my own shipped end-to-end (Plan AI).

## PROFESSIONAL EXPERIENCE

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### Founder & CTO

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 Clevertech)

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