

Cristiano Di Maio Chiaramelli

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SUMMARY

Senior Software Engineer with 8+ years building production systems across large-scale distributed platforms, data ingestion and delivery pipelines, AI/LLM applications, and modern data architectures. Hands-on across the full software lifecycle: system design, implementation, testing, and operation at scale. Significant leadership experience structuring and leading multidisciplinary engineering teams in a company I co-founded. Experienced in Python, TypeScript/JavaScript, Java, Go, and others, with a track record of translating complex business problems into reliable, scalable systems.

EXPERIENCE

Co-founder & CTO — Liven

Jul 2018 – 2026 | São Paulo, Brazil

Built and scaled the technology organization across software engineering, applied AI, and data platforms, growing the tech team to 30 people at its peak. Contributed hands-on across the full software lifecycle — from solution design and architectural decisions to implementation, testing, and production operations — while leading and structuring multidisciplinary engineering squads. Led architecture and design reviews across multiple squads, establishing code review practices and technical quality standards for the engineering organization.

Selected projects:

LLM-powered conversational sales platform (2026)

- Led architectural planning to keep the platform performant, observable, maintainable and able to scale elastically in production.
- Hands-on collaboration across both software engineering and AI engineering components of the application.
- Processes over 10.000 monthly conversations since the first month in production.
- Delivered a seamless user experience while driving strong commercial results, in a highly iterative environment with fast feedback loops across engineering, product, and business.

High-throughput distributed messaging platform (2026)

- Designed and delivered a large-scale distributed platform responsible for forwarding SMS traffic in IMS infrastructure, handling data ingestion and delivery at high volume.
- Engineered for high-throughput workloads, supporting around 300.000 requests per minute across registrations and forwarded messages, using asynchronous pub/sub architecture and Redis-based caching for low-latency lookups.
- Built within a highly specified environment with strict compliance requirements based on telecom standards.
- Maintained high test coverage with unit tests and integration test pipelines using Testcontainers; conducted load testing and profiling to validate performance targets before production rollout.

Document processing module for financial receipts (2025)

- Built an image processing pipeline in Python combining OCR and LLM-based extraction to handle receipts from multiple financial institutions.
- Processes ~50,000 documents per month in production.

Modern analytics platform for data-intensive enterprise use cases (2025)

- Delivered a modern analytics platform using Databricks, Azure, Medallion Lakehouse architecture, and dimensional modeling, integrating structured and unstructured data sources into a standardized platform.
- Helped modernize data foundations for enterprise-scale analytical workloads and multiple business areas.
- Coordinated work across engineering, BI, and product stakeholders in a multidisciplinary team.

Native mobile + IoT medical application (2023)

- Built a native mobile application synced via Bluetooth with a medical IoT device, ingesting ~150 data points per second and rendering signal in real time at minimum latency while maintaining UI smoothness.
- Developed within an FDA-regulated environment, conforming to software validation standards required for US market operation.

EDUCATION

Bachelor of Science in Computer Science

University of São Paulo (USP) | 2015 – 2020

CERTIFICATIONS

Google Cloud – Professional Cloud Architect | Certification ID 172fda2b16d14a9086110464b345b836

TECHNICAL SKILLS

Languages: Python, TypeScript / JavaScript, Java, Go, Ruby

Backend & APIs: Large-scale distributed systems, high-throughput services, event-driven and cloud-native applications, REST APIs, FastAPI, Node.js, Rails, unit and integration testing

Frontend: React, React Native, Next.js, TypeScript

AI Engineering: Building AI-powered applications, LLM application engineering, RAG, agentic systems, prompt and eval strategies. LangGraph, Langfuse, LangChain.

Data: Databricks, Medallion Lakehouse, dimensional modeling, SQL

Cloud & Infra: Azure, GCP, Docker, CI/CD pipelines, observability, load testing

Practices: System design, architecture and design reviews, code review, testing, technical leadership, Agile methods, AI-assisted development workflows

LANGUAGES

Portuguese (Native) • English (Full Professional Proficiency)