

Emilia Cabral

Full-stack Product Engineer

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Summary

Senior Software Engineer with product mindset. Specializing in web full-stack development and Generative AI integration, with nearly five years of transforming ideas to real products.

Skills

Languages: JavaScript (+ TypeScript), Python

Frontend: React, Vue, Next.js, Gatsby, HTML, CSS, Web Components, Tailwind, Webpack

Backend: Node.js, Express, Hono, FastAPI

AI/ML: Langchain, Langsmith, TensorFlow, Qdrant, ChromaDB, ElasticSearch, HuggingFace

Databases: PostgreSQL, DynamoDB, S3

Cloud: AWS (Lambda, Gateway, SQS), Cloudflare, Vercel

Other: Git, GitHub Actions, Docker, Jest, Vitest, SST, DataDog, Kibana, Figma, Photoshop

Notable Projects

2025 - AI-Powered Recommendation System

- BuildWithin
- Led a squad of three engineers developing an job-candidate matching system
 - Built comprehensive testing dataset, ingestion and evaluation platforms with ETL pipelines
 - Tech: Python, FastAPI, HuggingFace, AWS Lambda/Gateway, S3, Qdrant

2024 - Platform Refactoring Initiative

- BuildWithin
- Led full-scale platform refactoring, meeting one-month deadline
 - Conducted user interviews and facilitated Business Model Canvas with 20 stakeholders
 - Identified core issue and proposed unification strategy that solved business issues
 - Tech: TypeScript, Next.js, tRPC, PostgreSQL, SST, AWS

2024 - LLM Memory Optimization Solution

- BuildWithin
- Built ETL solution reducing token usage by 80% while maintaining personalization
 - Developed multi-tenant architecture with versioning and custom embedding strategy
 - Tech: TypeScript, Next.js, tRPC, Langchain, ElasticSearch

2023 - AI-Powered Help Center

- MercadoLibre
- Championed and developed LLM chatbot achieving 90% accuracy for customer service
 - Created POC in a week and MVP to production in a month
 - Pioneered one of the first LLM features in the company
 - Tech: TypeScript, React, Express, Python, ChromaDB, DynamoDB

Professional Experience

- May 2025 - **Senior Machine Learning Engineer**, *Marvik*, Remote, Uruguay
- Present**
- Working on a chatbot and agentic pipelines for a high-impact international fintech project.
 - Python, Streamlit, Langchain, React, Next.js
- Feb 2024 - **Senior Software Engineer - AI Team**, *BuildWithin*, Remote, USA
- May 2025
- Led development of AI features, resulting in 80% reduction in generation costs
 - Implemented full-stack solutions using Next.js, Langchain, and PostgreSQL
 - Conducted user interviews and contributed to UI and product design
 - Delivered technical talks on Generative AI and developed POC/MVP features
- Dic 2023 - **Founding Software Engineer [Part-time]**, *Fair Share Group*, Remote, Melbourne
- Feb 2024
- Joined as an equity-only founding engineer in this early-stage startup
 - Developed initial codebase and implemented CI automation workflows
 - Led engineering architecture decisions with distributed global teams
- Mar 2021 - **Software Engineer**, *Mercado Libre*, Remote, Argentina
- Feb 2024
- Developed scalable APIs and React interfaces with server-side rendering
 - Led AI feature development achieving 90% accuracy and 5% hallucination rate
 - Became go-to person for LLM-based solutions across multiple teams
 - Built tracking dashboards and contributed to internal UI libraries
- 2020 - **Full Stack Engineer [Part-time]**, *Freelance*, Remote
- Present
- Developed web applications using React, Vue, Gatsby
 - Designed user interfaces and interactive prototypes with Figma
 - Maintained direct client communication and rapid technology adaptation

Education

- 2022 **Diploma, Entrepreneurship/Entrepreneurial Studies**, *University of Buenos Aires*
- 2020 **Javascript Full Stack Development Bootcamp**, *Soy Henry*
- 2015–2019 **Associate's degree, Library Science**, *ISFT 182*

Languages

Spanish (Native), English (Full Professional), Portuguese (Limited Working)

Awards

1st Place, Poetry - Humberto Rivas National Contest