

# 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

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## Professional Experience

- 2024–Present **Software Engineer - AI Team**, *BuildWithin*, Remote, USA
- 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
- 2023–2024 **Founding Software Engineer**, *Fair Share Group*, Remote, Melbourne
- 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
- 2021–2024 **Software Engineer**, *Mercado Libre*, Argentina
- 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
- 2020–2024 **Full Stack Engineer**, *Freelance*, Remote
- Developed web applications using React, Vue, Gatsby
  - Designed user interfaces and interactive prototypes with Figma
  - Maintained direct client communication and rapid technology adaptation

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## 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*

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## Languages

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

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## Awards

1st Place, Poetry - Humberto Rivas National Contest