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 - Present
Senior AI Engineer, *Marvik*, Remote, Uruguay
- ○ Working on agentic pipelines for a high-impact international fintech project.
- ○ Python, FastAPI, Playwright, Streamlit, Langchain, Next.js

Feb 2024 - May 2025
Senior 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

Dic 2023 - Feb 2024
Founding Software Engineer [Part-time], *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

Mar 2021 - Feb 2024
Software Engineer, *Mercado Libre*, Remote, 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 - Present
Full Stack Engineer [Part-time], *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

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