

IGNACIO ROTTH

Fullstack Software Developer | Fintech, Reactive Systems & Agentic AI
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PROFESSIONAL PROFILE

Fullstack Developer specialized in reactive high-concurrency architectures, real-time fintech systems, and agentic AI solutions. Experienced in designing non-blocking backends, production-grade Web3 infrastructure, and agentic workflows using Model Context Protocol (MCP), man-in-the-middle AI patterns, orchestration, and context engineering. Strong autodidact with focus on modern tools, CI/CD pipelines, and Docker orchestration. Proven ability to deliver complete features and products from concept to production.

TECHNICAL SKILLS

- **Backend & Architecture:** Java 22, Spring Boot 3.3, Spring WebFlux, Project Reactor, MongoDB Reactive, Python (FastAPI), Node.js (agent tools & dev servers), REST/SSE/WebSockets
- **Frontend & Modern Stacks:** React 18, Next.js, Astro, Redux Toolkit, Tailwind CSS, Vite
- **AI & Agentic:** Model Context Protocol (MCP), Agentic Orchestration, Context Engineering, Man-in-the-Middle AI Workflows, Vector Search
- **DevOps & Cloud:** Docker, AWS, GitHub Actions (CI/CD), Vercel, Railway, Linux
- **Web3:** ERC-4337 Account Abstraction (Pimlico)

PROFESSIONAL EXPERIENCE

El Coyote | E-commerce Catalog & Admin Dashboard (Client MVP)

Fullstack Developer | June 2026 – July 2026 | elcoyote.store

- Delivered a modern product catalog using **Next.js, MongoDB, and Tailwind CSS on Vercel**.
- Implemented full CRUD operations for products and categories with ORM.

Stockear | AI-First Inventory Micro-SaaS

Solo Founder & Lead Developer | April 2026 – Present | stockear.online

- Architected and launched an AI-powered inventory system bridging physical stock and digital invoicing (Astro + Python FastAPI).
- Built document parsing engine with OCR achieving **98.4% accuracy** and sub-1s latency.
- Designed Schema-on-Read MongoDB Atlas architecture with Vector Search for semantic queries.
- Automated fiscal billing integration with ARCA (ex-AFIP).

CTR Markets | Fintech Startup – High-Frequency Trading

Fullstack Developer | October 2024 – July 2026

- Led end-to-end development of a high-frequency trading and derivatives platform.
- Built non-blocking reactive backend, scaling to **12k req/s** with **99.99% uptime**.
- Engineered real-time risk control engine reducing latency by **45%**.
- Implemented ERC-4337 gasless EVM sweeps and secure atomic reconciliation (blockchain).
- Integrated MCP agents into CI/CD pipeline for automated PR validation.

EDUCATION

Bachelor of Science in Computer Science | Universidad Nacional del Sur (UNS) | 2021 – Present (3rd year)

Computer Technician | Escuela de Educación Técnica N°1 | 2017 – 2020

LANGUAGES

Spanish: Native | English: Upper-Intermediate (B2 – Professional working proficiency)