# Max Comperatore

Mendoza, Argentina. Building for the world.

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## MANIFESTO

My work is centered on a single principle: **extreme leverage**. I design systems that enable one individual to produce the output of an entire team. I don't just build software; I engineer **autonomous engines**. By coupling language models with resilient backend infrastructure, I create systems that automate high-complexity work, unlock proprietary data, and generate asymmetric advantages.

## EXPERIENCE

**Founder** *Remote*
*Deadhand* *Jan 2026 - Present*

- **Architecting a non-custodial cryptographic dead-man's switch** to solve the structural flaw of private-key death events and permanent asset loss.
- **Engineering an AI-native protocol** optimized for hyper-growth, margin accretion, and absolute user sovereignty.

**AI Engineer** *Remote*
*PXSOL* *Jun 2025 - Nov 2025*

- **Deployed AI-native operational systems** that transformed customer onboarding and internal workflows across the hospitality tech stack.
- **Shipped production-grade architecture** that directly boosted key business metrics, driving NPS up and cutting churn to record lows.
- **Championed a culture of high-agency engineering,** speeding up technology adoption in a traditionally conservative industry.

**Software Engineer** *Mendoza, Argentina*
*Transparencia Latam* *Mar 2024 - Jun 2025*

- **Pioneered the company's first AI-native legal solution,** automating complex B2B compliance workflows and slashing operational costs by 30%.
- **Engineered a scalable SaaS platform** that transformed vendor management from a manual bottleneck into a self-service ecosystem, boosting participation by 40%.

## CORE ARSENAL

**AI & Architecture:** AI System Architecture, RAG, LLM Fine-Tuning, Agentic Systems, LangGraph, LangChain, LlamaIndex, Vector Databases (ChromaDB, Pinecone).
**Backend & Infra:** Python (FastAPI, Flask), Rust, Node.js, TypeScript, Docker, Kubernetes, Solidity, CI/CD, AWS, Vercel, Supabase, PostgreSQL, Redis.

## KEY PROJECTS & CONTRIBUTIONS

**Browser Use (YC S24)** Apr 2025 - Sep 2025
Core maintainer for the 70,000+ star **agentic AI framework**. Hardened the engine for production-grade web agents by shipping robust error handling for major LLM APIs and refining web-parsing infrastructure.

**Atomic Allocation Protocol (AAP)** 2025
Architected a trustless primitive for atomic capital composition on EVM. Solves sequential state fragmentation, **reducing gas overhead by 40%** and **eliminating execution risk** for institutional DeFi.