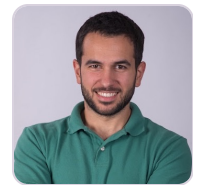


Cristian Dotta

Senior Backend Engineer — High-Scale APIs & Distributed Systems

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Montevideo, Uruguay (Remote, Americas)



Backend engineer with 13+ years building high-performance systems in TypeScript and Node.js, most recently leading exchange engineering at a publicly traded crypto company: a public API executing real-money trades across external providers, where reliability, idempotency, and data integrity are non-negotiable. Owns services end to end: architecture, delivery, zero-downtime migrations, monitoring, alerting, and incidents. Hands-on Solidity (upgradeable smart contracts, cross-chain bridges, Chainlink integrations). Multiplies output with AI-augmented engineering through custom agents and tooling.

SKILLS

Languages	TypeScript / Node.js, JavaScript, Python, Ruby, SQL, React, Solidity
Backend	Distributed systems, high-throughput REST & GraphQL APIs, event-driven & async processing (Kafka, BullMQ — queues, retries, idempotency), PostgreSQL, Redis, MongoDB
Infra & Ops	AWS (incl. Lambda serverless), Kubernetes, Docker, CI/CD, monitoring & alerting, incident response & on-call ownership
AI Engineering	Agentic workflows (Claude Code, custom skills, MCP integrations), prompt engineering, LLM APIs (Anthropic), LLM-integrated automation for monitoring and incident analysis
Blockchain	Production Solidity — upgradeable smart contracts, EVM, Hyperlane cross-chain bridges, Arbitrum (L2), Chainlink (VRF, Price Feeds), Ethereum signature verification

EXPERIENCE

Exodus (NYSE American: EXOD) — Tech Lead, Exchange Team

Nov 2021 – Jul 2026

- Led a 6-engineer team building the exchange behind Exodus' self-custodial wallet (swap aggregation, provider integrations, order routing, pricing), the product line driving ~97% of company revenue; mentored the team and set technical direction.
- Developed and operated the public XO Swap API (~12M requests/day), the trade execution service used by the wallet and 10+ external B2B partners; event-driven processing over Kafka and BullMQ, where idempotency, retries, and data integrity are non-negotiable.
- Designed and executed zero-downtime, multi-phase data migrations (dual-write, backfill, then gradual cutover) across orders and provider assets, improving data integrity and eliminating fragile legacy mappings.
- Owned monitoring, alerting, reporting, and incident response end to end; built AI-assisted observability tooling integrating monitoring platforms with LLM agents for faster incident analysis.
- Removed ~28k net lines of code while consolidating fragmented services (e.g., PricingService), cutting maintenance cost and simplifying core architecture.
- Hardened geolocation enforcement (IP validation, forwarded-header edge cases) into a shared networking package, strengthening compliance posture across services.

Personal AI Agent Infrastructure — Side Project

2024 - Present

- Designed and operate a persistent agent runtime: Claude Code on a self-hosted Hetzner VPS (Docker, Traefik, Dokploy), driven through a Telegram bot, with custom agent skills scoped to distinct domains (work, journaling, nutrition tracking).
- Built a Hono/TypeScript/SQLite backend with external API integrations and Git-backed storage pipelines; transactional email (magic-link auth) runs on Resend. Full ownership from requirements and architecture to deployment, monitoring, and iteration.

Web3 Engineering — Treasure DAO (Tech Lead) · Anonymice (Freelance)

2021 - 2023

- Built a cross-chain NFT bridge with Hyperlane on Arbitrum; led on-chain migrations and shipped Smolverse smart contracts on the Treasure framework.
- Built a fully on-chain game on upgradeable Solidity contracts, owning architecture from design and testing through deployment and upgrades; integrated Chainlink VRF and Price Feeds into production contracts.
- Designed a quest and campaign platform for ecosystem partners, securing admin operations with Ethereum signature verification; technically led and leveled up the team.
- For Anonymice, primary developer: delivered “Evolutions” soul-bound tokens plus multiple smart contracts and dapps in Solidity, Node.js, and React.

EARLIER EXPERIENCE

Analytics Fire — Senior JavaScript Engineer (2018 – 2021) — Designed REST and GraphQL APIs in Node/TypeScript for clients including SunPower, Enphase, and Arthrex.

Qubika (formerly Moove It) — Technical Architect (2015 – 2020) — Set company-wide technical guidelines and quality standards; senior engineering for Disney, Hulu, and Catapult Health.

Geoforce — Senior Software Engineer, Freelance (2020) — Improved GraphQL response times by 40% in a dealer-facing application by introducing data-loaders (Ruby on Rails, React, Kafka).

MIDES — Software Engineer (2012 – 2015) — Built a business management system in Java; major SQL performance optimization work.

EDUCATION

Degree in Computer Science — Universidad Católica del Uruguay, 2014 · Cambridge FCE, International House London, 2016