

Roberto Santacroce Martins

Software Engineer & Entrepreneur — Madrid, Spain

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PROFESSIONAL EXPERIENCE

Founder — Santacroce Tech · Sep 2023 – Present · Madrid, Spain

Software development consultancy focused on blockchain scalability and decentralisation. Active contributor to Bitcoin open-source: Stratum V2, Drivechain (BIP 300/301).

CTO — CS Digital Ventures · Apr 2024 – Present · Texas, USA (Remote)

Bitcoin, C++, high-performance computing infrastructure.

Advisor — Preservaland Inc · Jan 2022 – Present

IT strategy, cryptography and blockchain consulting for environmental conservation with smart contracts.

Co-Founder — Anicca Research · Jan 2021 – Jan 2023

Cryptocurrency research, Python, databases and distributed systems.

Chief Blockchain Officer — Transfero Group · Dec 2018 – Nov 2020

- Researched, designed and implemented **BRZ** — Brazil's first stablecoin.
- Built multilanguage algorithmic trading platform (Python, Lisp, Java) with backtesting and market-maker bots.
- Designed custodial services with MPC, multi-signature wallets and HSM.

CTO — BRQ Digital Solutions · Jan 2016 – May 2018 · São Paulo, Brazil

- Managed globally distributed teams of ~2,000 developers.
- Bootstrapped Digital Services offerings; significantly grew revenue and capacity.
- Managed teams for Santander, Itaú, Sofisa, Nasdaq and FINRA.
- Coordinated strategy with CTOs across major financial institutions.

Senior Solutions Architect — Bitcoin Center NYC · May 2014 – Nov 2014 · New York, USA

- Designed order book matcher, exchange backends, custody and wallet services.
- Early Bitcoin educator and developer.

Senior Solutions Architect — B3 · Jan 2012 – May 2014 · São Paulo, Brazil

- Architected Global Pricing System and Billing Products.
- GPU processing innovation for latency optimisation; worked with HFT infrastructure.
- Index formation platform using complex event processing and distributed services.

Senior Software Architect — Brastel Co., Ltd. · Jan 2004 – Apr 2011 · Los Angeles, USA

- Full billing solution for prepaid/post-paid telecom services.
- Innovative VoIP products; coordinated with globally distributed teams and C-level.

Software Developer — Austin Asis · Jan 1999 – Jan 2004 · São Paulo, Brazil

- Stock technical and fundamental analysis tools; market data distribution.

- Linux stack migration from Microsoft.

TECHNICAL SKILLS

Languages	Java, Rust, C/C++, Swift, Common Lisp, Solidity, TypeScript, Python, GDScript
Blockchain	Bitcoin Protocol, Ethereum, Stratum V2, Drivechain (BIP 300/301), Smart Contracts
Cryptography	ZKP, Digital Signatures, MPC, HSM, Multi-signature Wallets
Systems	Distributed Architecture, Consensus Mechanisms, High-Performance Computing
Fintech	Algorithmic Trading, Market Data, Payment Systems, Stablecoins

OPEN SOURCE

Stratum V2, Drivechain (BIP 300/301), Layer Two Labs, ZeroMQ (libzmq C++)

LANGUAGES

Portuguese (native) · English (fluent) · Spanish (professional)