

Danilo Pantani

Senior Blockchain Infrastructure Engineer | Go, Cosmos SDK & IBC

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Available for remote international roles as a contractor or through an EOR. Brazilian and Italian citizen; open to EU relocation.

Professional Summary

Senior Go engineer with 10+ years in software engineering and deep experience in blockchain infrastructure, Cosmos SDK applications, IBC interoperability, validator workflows, and node operations. Implements protocol decisions in production code and connects them to testing, developer tooling, observability, and release workflows. Delivered Go engineering across Ignite, Interchain Foundation, Hermez, Energi, Trust Wallet, and Mercado Bitcoin. Public work includes AtomOne ADR-004 implementation, 300+ merged Ignite CLI pull requests, and upstream Cosmos SDK and IBC implementation contributions.

Core Skills

Languages: Go (Golang), Python, TypeScript

Blockchain Infrastructure: Cosmos SDK, IBC, CometBFT, Tendermint, validator infrastructure, consumer-chain lifecycle, interoperability, full-node operations

Protocol Engineering: module composition, governance migrations, validator commission logic, misbehaviour validation, transaction processing, Ethereum, EVM, Layer 2, zk-SNARKs

Backend & Distributed Systems: REST APIs, gRPC, Protocol Buffers, concurrency, worker pools, context cancellation, RPC integration, system design

Platform & Operations: Docker, Kubernetes, Helm, GitHub Actions, CI/CD, Prometheus, Grafana, production monitoring

Developer Tooling: Cobra, Viper, protobuf analysis, AST manipulation, code generation, scaffolding, CLI and release workflows

Professional Experience

Ignite (All in Bits) | Blockchain Engineer, Go / Cosmos SDK / IBC

Remote | Dec 2022 - Mar 2026

- Engineered and maintained Ignite CLI with 300+ merged pull requests across protobuf analysis, AST-driven code generation, scaffold migrations, CLI UX, and release-quality fixes.
- Implemented AtomOne ADR-004 Nakamoto Bonus behavior in the Cosmos SDK distribution module and added epoch-based reward timing.
- Built and reviewed IBC and validator-infrastructure workflows covering consumer-chain lifecycle, misbehaviour validation, parameter handling, and Validator-as-a-Service tooling.
- Contributed upstream resolver handling to Cosmos SDK and a capability-keeper helper to IBC-Go for downstream module composition.

Interchain Foundation | Blockchain Engineer, Go / Cosmos SDK / IBC

Remote | Jun 2022 - Dec 2022

- Contributed Go code to Gaia and Cosmos Hub workflows, including interchain accounts, governance, feegrant, evidence, slashing, vesting, encoding, and end-to-end tests.
- Built module-composition and IBC functionality for downstream Cosmos SDK applications.

Ignite (formerly Tendermint) | Senior Blockchain Engineer, Go / Cosmos SDK / IBC

Remote | Jun 2021 - Jun 2022

- Developed core Ignite CLI scaffolding, protobuf analysis, code generation, and CLI workflows used to build and maintain Cosmos SDK applications.
- Built Go code involving IBC, validator infrastructure, and sovereign-chain lifecycle operations.

Hermez Network | Blockchain / Layer-2 Engineer, Go / Ethereum / zk-SNARKs

Remote | Feb 2021 - Jun 2021

- Built Go backend and protocol-adjacent services for the Hermez Ethereum Layer-2 operator stack.
- Integrated services with Ethereum tooling and the zk-SNARK prover/coordinator pipeline.

Energi Core | Backend Engineer / Architecture, Go / Kubernetes / Observability

Remote | Apr 2020 - Feb 2021

- Built Go backend services for DeFi and custodial-wallet workflows.
- Designed Kubernetes and Helm deployment architecture with GitHub Actions CI/CD.
- Implemented Prometheus and Grafana monitoring for blockchain services and full-node infrastructure.

Trust Wallet | Backend Lead, Go / Multi-chain Indexing / Full-node Tooling

Remote | Aug 2019 - Apr 2020

- Led backend work on blockatlas with 200+ merged pull requests across chain integrations, indexers, market data, transaction parsing, validator logic, and node tooling.
- Migrated backend services from Node.js to Go and standardized production concurrency patterns.
- Operated and monitored full nodes across multiple networks and built chain-specific RPC integrations.

Mercado Bitcoin | Tech Lead, Backend & Mobile / Fintech & Digital Assets

Sao Paulo, Brazil | Mar 2018 - Aug 2019

- Built Go and Python services for multi-chain transaction tracking, payload signing, and exchange-ledger workflows.
- Led backend and mobile delivery and maintained hot, warm, and cold wallet procedures.

Earlier Software Engineering & Technical Leadership

Brazil | 2011 - 2018

- Delivered exchange, compliance, mobile, and document-recognition systems across XDEX, Finchain/FlowBTC, Neon Bank, and earlier software roles.

Selected Open Source & Protocol Impact

- **AtomOne SDK:** Implemented ADR-004 and follow-up distribution, governance-migration, and validator-commission behavior. github.com/atomone-hub/atomone-sdk
- **Ignite CLI:** Go tooling for Cosmos SDK application scaffolding, protobuf analysis, AST generation, and migrations. github.com/ignite/cli
- **Cosmos SDK / IBC-Go / Gaia:** Upstream framework, interoperability, and chain-application contributions. github.com/cosmos/cosmos-sdk | github.com/cosmos/ibc-go | github.com/cosmos/gaia

Education

Universidade Presbiteriana Mackenzie - Coursework in Computer Science and Electrical Engineering, Sao Paulo, Brazil

Languages

Portuguese - Native | English - Advanced | Spanish - Advanced

Additional Information

Brazilian and Italian citizen. Available for international contractor or EOR arrangements. Open to relocation within the European Union.