

Danilo Pantani

Senior Go Engineer | Backend & Distributed Systems

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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, including Tech Lead and backend leadership roles across financial systems, digital assets, distributed platforms, and blockchain infrastructure. Designs and operates production services, APIs, concurrent processing, and developer tooling with strong system-design and end-to-end ownership. Delivered Go backend work at Trust Wallet, Mercado Bitcoin, Energi, Hermez, Interchain Foundation, and Ignite. Public engineering record includes 300+ merged Ignite CLI pull requests and upstream contributions to Cosmos SDK and the IBC implementation.

Core Skills

Languages: Go (Golang), Python, TypeScript

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

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

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

Financial & Digital Systems: transaction tracking, payload signing, custody workflows, wallet infrastructure, market data, digital assets

Blockchain: Cosmos SDK, IBC, CometBFT/Tendermint, validator infrastructure, Ethereum, EVM, Layer 2

Professional Experience

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

Remote | Dec 2022 - Mar 2026

- Engineered and maintained Ignite CLI in Go, delivering 300+ merged pull requests across protobuf analysis, AST-driven code generation, scaffold migrations, CLI UX, and release-quality fixes.
- Improved developer workflows for nested RPC messages, custom typed arrays, daemon-mode execution, and generated application code.
- Built and reviewed distributed workflows involving IBC, validator infrastructure, consumer-chain lifecycle handling, misbehaviour validation, and Validator-as-a-Service tooling.
- Contributed focused upstream fixes to Cosmos SDK and IBC-Go for interface-registry resolution and downstream module composition.

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

Remote | Jun 2022 - Dec 2022

- Built Go module-composition and IBC functionality for Cosmos Hub and downstream Cosmos SDK applications.
- Shipped Gaia integration, security, encoding, and end-to-end test improvements, plus a capability-keeper helper for the IBC implementation.

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

Remote | Jun 2021 - Jun 2022

- Developed scaffolding, protobuf analysis, code generation, and CLI workflows for teams building and operating Cosmos SDK applications.
- Improved generated-code and local-development paths involving custom types, RPC messages, IBC, and validator infrastructure.

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

Remote | Feb 2021 - Jun 2021

- Built Go backend services for the Hermez Ethereum Layer-2 operator stack.
- Integrated transaction-processing services with Ethereum tooling and the 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 deployments with Helm and GitHub Actions CI/CD for services and node infrastructure.
- Implemented Prometheus and Grafana monitoring for production services and full nodes.

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

Remote | Aug 2019 - Apr 2020

- Led backend work on blockatlas, delivering 200+ merged pull requests across chain integrations, indexers, market data routes, transaction parsing, and full-node tooling.
- Migrated backend services from Node.js to Go and standardized worker pools, fan-out processing, batching, and context cancellation.
- Built RPC integrations, asset metadata, validator logic, and chain-specific transaction processing.
- Operated and monitored production full nodes across multiple blockchain networks.

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 and payload signing.
- Maintained hot, warm, and cold wallet procedures integrated with exchange-ledger and transaction workflows.
- Led backend and mobile engineering for customer-facing exchange products across iOS, Android, and web.

Earlier Software Engineering & Technical Leadership

Brazil | 2011 - 2018

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

Selected Open Source & Technical Impact

- **Ignite CLI:** Go developer tooling for protobuf analysis, AST-driven generation, scaffolding, and migrations. github.com/ignite/cli
- **Trust Wallet blockatlas:** Multi-chain transaction APIs, RPC batching, validator logic, and full-node tooling. github.com/trustwallet/blockatlas
- **Cosmos SDK & IBC-Go:** Upstream fixes for resolver handling and capability-keeper composition. github.com/cosmos/cosmos-sdk | github.com/cosmos/ibc-go

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.