

Available for Senior Go, Backend & Distributed Systems roles · Remote · UTC-3 · EU work-eligible

Danilo Pantani

Senior *Go Engineer*

Backend · Distributed Systems · Platform Engineering · Blockchain Infrastructure

10+ years in software engineering across backend platforms, financial systems, developer tooling, and blockchain infrastructure.

Go and distributed-systems engineering at the core, with technical leadership from system design through production operations.

CONTACT



LOCATION	São Paulo, Brazil
CITIZENSHIP	Brazilian & Italian citizen
REMOTE	UTC-3 · Worldwide
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10⁺

years in software engineering across backend, financial, platform & blockchain systems

300⁺

public merged PRs in Ignite CLI

200⁺

public merged PRs in Trust Wallet blockatlas

1,100⁺

public merged PRs across open source (Cosmos, Ethereum & wallet backends)

01 Core Expertise

Backend and protocol engineering at the core, with full-stack and DevOps range for end-to-end ownership.

Blockchain & Protocol Engineering

Cosmos SDK, CometBFT, Tendermint, IBC, validator infrastructure, AtomOne, Gno, Ethereum, EVM, Bitcoin / UTXO, zk-SNARKs, Layer 2, rollout infrastructure.

Go Backend & Distributed Systems

Go, gRPC, REST APIs, backend architecture, concurrency, goroutines, worker pools, context cancellation, distributed systems, Validator-as-a-Service workflows, consumer-chain lifecycle, misbehaviour validation, and validator-commission updates.

Developer Tooling

CLI tooling, Cobra, Viper, code generation, AST manipulation, protobuf, protoanalysis, scaffold migrations, developer ergonomics, release workflows.

Infrastructure & DevOps

Docker, Kubernetes, Terraform, Pulumi, Ansible, Helm Charts, AWS, GCP, cloud deployments, GitHub Actions, CI/CD, Prometheus, Grafana, multi-chain Cosmos full-node operations, observability, and production operations.

Full-Stack Delivery

JavaScript, TypeScript, React, responsive UI, component architecture, and full-stack delivery from API to interface.

AI-Augmented Engineering

AI coding assistants for repository context engineering, prompt design, and review/refactor loops across Go and Cosmos SDK codebases, plus MCP tooling authored for TouchDesigner through tdmcp.

02 Selected Protocol Impact

Protocol decisions and production implementation, paired with public evidence.

AtomOne

Protocol + implementation

CONTRIBUTION

Implemented ADR-004 Nakamoto Bonus distribution-module behavior.

SCOPE

Governance migrations and validator-commission logic in the AtomOne Cosmos SDK fork.

[atomone](#) > [atomone-sdk](#)

Ignite CLI

300+ PRs

CONTRIBUTION

Advanced protoanalysis, AST-driven code generation and scaffold migrations.

SCOPE

Improved CLI UX and developer tooling for building Cosmos SDK chains.

Merged PRs > [ignite/cli](#)

Cosmos SDK · IBC-Go

Upstream

CONTRIBUTION

Contributed interface-registry and gogoproto handling plus capability-keeper helpers.

SCOPE

Strengthened downstream module composition and cross-chain interoperability.

[cosmos-sdk](#) > [ibc-go](#)

Trust Wallet blockatlas

200+ PRs

CONTRIBUTION

Led multi-chain indexing, integrations, full-node tooling and a Node.js-to-Go migration.

SCOPE

Established production concurrency patterns across wallet-backend services.

Merged PRs > [blockatlas](#)

Summary

Senior Go engineer with 10+ years in software engineering.

Backend, distributed systems, platform engineering, and blockchain infrastructure.

Languages

Portuguese	Native
English	Advanced
Spanish	Advanced

Tech Stack

GoLang	Python	Java	React	TypeScript
Cosmos SDK	IBC	CometBFT	AtomOne	
Ethereum	Solidity	EVM	zk-SNARKs	L2
Protobuf	gRPC	Docker	Kubernetes	
Terraform	GitHub Actions	CI/CD		

03 Professional Experience

All in Bits (Ignite)

Dec 2022 – Mar 2026

Remote

Blockchain Engineer, Go · Cosmos SDK · IBC

- Advanced **Ignite CLI** with **300+ public merged PRs** spanning protoanalysis, AST-driven code generation, scaffold migrations, CLI UX, and developer ergonomics.
- Implemented and reviewed code around **IBC**, **validator infrastructure**, **consumer-chain lifecycle handling**, **misbehaviour validation**, **parameter cleanup**, and Validator-as-a-Service workflows.
- Contributed upstream fixes and helpers to **Cosmos SDK** and **IBC-Go**, including gogoproto registry resolver handling and capability-keeper helper functionality.

Interchain Foundation

Jun 2022 – Dec 2022

Remote

Blockchain Engineer, Go

- Focused engagement on **Cosmos Hub / ATOM** chain development with the Interchain Foundation core team, contributing to gaia and surrounding Cosmos SDK module work.
- Built module-composition and IBC-related functionality for downstream Cosmos SDK chains, including capability-keeper improvements in IBC-Go.

All in Bits (Ignite)

Jun 2021 – Jun 2022

Remote

Senior Blockchain Engineer, Go

- Joined **Ignite CLI** as a core engineer on the all-in-one platform for building, launching, and maintaining Cosmos SDK blockchains — shipping scaffold, protobuf, and CLI-UX work that fed the long-running 300+ public merged PR run continued through 2026.

Hermes Network

Feb 2021 – Jun 2021

Remote

Blockchain / Layer-2 Engineer, Go

- Built backend and protocol-adjacent Go services for **Hermes**, an Ethereum Layer-2 system based on zk-SNARKs.
- Integrated Go services with Ethereum tooling and the prover / coordinator pipeline used by the rollup operator stack.

Energi

Apr 2020 – Feb 2021

Remote

Backend Engineer / Architecture

- Built Go backend services for the **Energi DeFi stack** and custodial wallet systems handling private-key custody flows.
- Owned Kubernetes deployment architecture using **Helm** and **GitHub Actions CI/CD** for blockchain services and chain-node operations.
- Implemented observability with **Prometheus** and **Grafana** for service and node monitoring across production environments.

Trust Wallet / Binance

Aug 2019 – Apr 2020

Remote

Backend Lead, Go

- Led backend work on Trust Wallet's multi-chain indexing and integration platform, **blockatlas**, with **200+ public merged PRs** across chain integrations, indexers, market-data routes, and full-node tooling.
- Migrated legacy Node.js services to Go, standardizing worker pools, fan-out processing, context cancellation, and production-grade concurrency patterns.
- Operated and monitored production full nodes across multiple chains, supporting wallet backend infrastructure used by a large-scale crypto wallet user base.

Mercado Bitcoin

Mar 2018 – Aug 2019

São Paulo

Tech Lead — Backend & Mobile

- Built Go and Python services for multi-chain transaction tracking and payload signing at one of LATAM's largest crypto exchanges.
- Maintained hot / warm / cold wallet scripts and key-management procedures integrated with exchange ledger and matching systems.
- Led backend and mobile product engineering for customer-facing exchange workflows across iOS, Android, and web.

Earlier Roles

2011 – 2018

São Paulo

Tech Lead / Founder / Mobile Engineer

XDEX — exchange-service engineering in .NET. **Finchain / FlowBTC** — ERC-20 wallet flows, smart-contract integrations, and exchange compliance systems. **Neon Bank** — iOS / Android engineering and document-recognition workflows.

Highlights

- Ignite CLI**: 300+ public merged PRs across protoanalysis, AST code generation, scaffold migrations, CLI UX.
- AtomOne**: Cosmos SDK fork work — distribution module, ADR-004 Nakamoto Bonus, governance migrations.
- Hermes**: Go backend for Ethereum L2 zk-SNARK rollup operator workflows.
- ignite/network · spn**: Cosmos chain-launch coordination & sovereign-chain lifecycle workflows.
- Cosmos SDK + IBC-Go**: upstream interface-registry handling and capability-keeper helpers.
- Trust Wallet blockatlas**: 200+ public merged PRs across multi-chain indexing & full-node tooling.

What I'm looking for

- Senior Go Engineer** roles in backend, distributed systems, platform engineering, or blockchain infrastructure.
- Owning reliable services end-to-end — from **architecture and APIs through delivery and production operations**.
- Fully remote, UTC-3 friendly. **EU work-eligible** (Italian citizen) and open to occasional travel.

06 Teaching & Talks

FIAP · 2021

MBA instructor in decentralized application development and Ethereum smart contracts.

Go Blockchain · 2018

Instructor in Ethereum blockchain development and smart contracts for mobile.

Selected talks

Web3Family 2023, Barcelona — building Cosmos SDK chains and tooling with Ignite.
AwesomWasm 2023, Berlin — Ignite stack workshop.
ETH São Paulo 2021 — zk-SNARKs and Ethereum Layer 2.

04

Selected Repositories / Evidence

Public repositories that support the protocol, backend, interoperability, and developer-tooling work above.

- ignite/cli
- ignite/network
- tendermint/spn
- atomone-hub/atomone
- atomone-hub/atomone-sdk
- cosmos/cosmos-sdk
- cosmos/ibc-go
- cosmos/gaia
- allinbits/vaas
- hermeznetwork/hermez-node
- trustwallet/blockatlas

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Education & Certifications

Education

Universidade Presbiteriana Mackenzie

Coursework toward Computer Science (6 semesters) and Electrical Engineering (8 semesters). São Paulo, Brazil.

Certifications

Programming Blockchain (2018) — Jimmy Song · 16h

Data Science (2021) — Let's Code Academy · 48h