

Péter József Lodri

Senior Rust Protocol & Verifiable Compute Engineer (Based Rollups & Multi-Proof Prover Infrastructure) — Bit-exact Rust state transitions, SHA-256 hash-chained ledgers, and GPU-accelerated verifiable compute.

Live Interactive Showcase: <https://taiko.vaked.dev> · LinkedIn: <https://www.linkedin.com/in/peter-lodri/>

01. SELECTED SYSTEMS & INTERACTIVE WORKS FOR Taiko Labs (Based Ethereum ZK-Rollup)

pureQTern & project-zero [C ↔ Rust · Bit-Exact State Determinism] — <https://github.com/peterlodri-sec>
Cross-language C and Rust ternary codecs verified to agree to the single bit via deterministic SHA-256 golden hashes.

ZENO (銭・禪・善) [SHA-256 Hash-Chained Ledger · Sovereign Settlement] — <https://zeno.vaked.dev>
Double-entry Kintsugi SHA-256 hash-chained ledger, deterministic settlement engine, and Foken proof-of-contribution bridge.

AgentField Verifiable Compute [Verifiable Credentials · Multi-Reasoner DAGs] — <https://github.com/peterlodri-sec>
Cryptographic Verifiable Credential (VC) issuance and verification across distributed multi-agent execution graphs.

8b-is / MLX-QUANT [GPU Compute Kernels · 12.80× Compression] — <https://github.com/8b-is>
Custom packed ternary GPU kernels and register-level bitpacking routines applicable to high-throughput prover acceleration.

Osaurus, Osiris & Headroom (#1418) [OSS Architect · Cryptographic Identity] — <https://github.com/osaurus-ai/osaurus>
Core Architect on Osaurus (autonomous runtime with cryptographic identity) & Osiris (real-time global intelligence), plus Headroom PR #1418.

Institutional Fintech & 110k+ Stream Systems [Quantitative Financial Systems · High Concurrency] — <https://github.com/peterlodri-sec>
Built deterministic financial ETL pipelines for Sixth Street, Citadel & Morgan Stanley, and 110k-concurrent Go backends at DailyWire.

02. ALIGNMENT WITH YOUR ENGINEERING ROADMAP / 志望動機

Taiko's Based Contestable Rollup (BCR) and Raiko multi-proof architecture represent the cleanest protocol design in Ethereum scaling: credible neutrality via L1 sequencing, paired with heterogeneous ZK/SGX/TEE proofs so no single prover bug can compromise state. Every system I build — from pureQTern's cross-language C↔Rust golden-hash equivalence to ZENO's SHA-256 Kintsugi ledger and Osaurus's cryptographic agent identity — is engineered around that exact principle: a claim is only real when a stranger can cryptographically verify the state transition to the bit.

Taikoが推進するBased Contestable Rollup (BCR) とマルチプルーパー基盤「Raiko」は、中央集権的なシーケンサーを排し、複数の独立した暗号学的証明によって単一障害点をなくす最も美しいプロトコル設計です。CとRustで1ビットの狂いもなくゴールデンハッシュが一致する決定論的コーデック (pureQTern) やSHA-256ハッシュチェーン台帳 (ZENO) を構築してきた経験を活かし、東京 (UTC+9) からTaikoのRustプロトコルと証明基盤の進化に貢献します。

03. DIRECT LINKS & LINKEDIN CONTACTS

- Daniel Wang (Co-Founder & CEO, Taiko Labs (Former Founder of Loopring)): <https://www.linkedin.com/in/dawang> — Co-founder & CEO pioneering Based Contestable Rollups (BCR) and decentralized proposer/prover markets.

- Brecht Devos (Co-Founder & CTO, Taiko Labs (Former PSE / Loopring Chief Architect)): <https://www.linkedin.com/in/brecht-devos> — Co-founder & CTO leading Type-1 Ethereum-equivalent ZK-EVM & Raiko

multi-proof architecture.

- Taiko Labs People & Protocol Recruiting (Global Remote Talent Team): <https://www.linkedin.com/company/taikoxyz/people/>
— Direct protocol engineering & operations team at Taiko Labs.