

Péter József Lodri (ロドリ・ペーテル・ヨージェフ)

Target Role: Senior Rust Protocol & Verifiable Compute Engineer (Based Rollups & Multi-Proof Prover Infrastructure) (\$160,000 – \$240,000+ USD + Token/Equity) · Location: Global Remote from Tokyo (UTC+9 · 東京リモート)

Dedicated Site: <https://taiko.vaked.dev> · LinkedIn: <https://www.linkedin.com/in/peter-lodri/>

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01. EDUCATION / 学歴 (高校以降すべて)

2007.09 – 2011.06	Secondary school graduation · 高等学校卒業 — Bárdos László Gimnázium (バルドシュ・ラースロー高等学校, Tatabánya) Advanced Mathematics, Physics, Sport & Computer Science · Comenius Logo Hungarian Championship participant (数学・物理・情報科学・スポーツ重点課程、Comenius Logo 全国大会出場)
2013.09 – 2017.06	BSc, Recreation and Health Development · 学士 — University of Physical Education, Budapest (ハンガリー体育大学) Full Bachelor of Science degree (qualifies for Japanese Engineer / Specialist in Humanities visa status · 技術・人文知識・国際業務ビザ要件適合)
2015	Learn to Program and Analyze Data with Python · 修了 — University of Michigan (Coursera) Data structures, algorithmic analysis, and scientific Python programming
2016	Junior Software Developer, Computer Science · 修了 — Green Fox Academy (ブダペスト) Intensive full-stack & systems software engineering program

02. PROFESSIONAL EXPERIENCE & OPEN-SOURCE ARCHITECTURE / 職務経歴書

2024 – present	Principal Architect & Research Lead — 8b-is (Family Research Company ファミリー研究機関) & Open-Source Architect Architected and shipped ZENO (銭・禅・善, zeno.vaked.dev) — sovereign proof-of-contribution neo-bank with double-entry Kintsugi SHA-256 ledger and procedural Web Audio DSP; AURORA (8b-is.github.io/aurora — sovereign AI assistant & MEM 8 wave-quantum architecture); MLX-QUANT & pureQTern (1.58-bit BitNet ternary {-1, 0, +1} inference & Metal GPU kernels achieving 12.80× memory compression); AgentField multi-reasoner orchestration; and ~200 edge-deployed systems. Open-source Core Architect on Osaurus (osaurus-ai/osaurus — native Swift macOS AI agent harness with persistent memory & cryptographic identity) and Osiris (simplifaisoul/osiris — real-time OSINT 3D global intelligence platform), and contributor to Headroom (headroomlabs-ai/headroom PR #1418 — kompress domain-routing bias multipliers). Stack: Rust · C · Swift 6 · Metal / WebGL2 · Python · TypeScript · Cloudflare Workers · BitNet b1.58
2024.05 – present	Senior Software Engineer — Plandek Enterprise engineering metrics & delivery intelligence platform. Architect and maintain analytics pipelines and full-stack telemetry across a polyglot distributed stack. Stack: TypeScript · React · Python · Distributed Analytics

2023.05 – 2024	Senior Software Engineer — Virality Data Designed and operated high-throughput distributed ingestion and processing pipelines across millions of video streams. Stack: Kafka · Puppeteer · Celery · Pandas · AWS · JavaScript · Python
2022 – 2023	Senior Software Engineer — ASAPP Inc. AI-powered customer-service platform for Fortune-100 enterprises. Reduced customer – agent response latency by 50 – 70% via low-latency event-driven microservices. Stack: Go · Kotlin · Scala · Kubernetes · Kafka · AWS
2022	Lead Go Developer — DailyWire.com Led the backend engineering team for an integrated live chat and video streaming platform serving 110,000+ concurrent users. Stack: Go · Python · AWS · High-Concurrency Streaming
2021 – 2022	Senior Python Developer — Institutional Fintech (Sixth Street Partners · Citadel · Morgan Stanley) Modernized quantitative trading and financial data software stacks from legacy systems to cloud-native, deterministic ETL pipelines. Stack: Python · Bash · AWS · Docker · Quantitative ETL
2019 – 2021	Lead Python Backend Developer — Cygnet Doel Designed mission-critical cyber-intelligence infrastructure, led offensive-security product engineering, and mentored engineers in advanced systems Python. Stack: Python · AWS · Android · C · Go · Java · Kubernetes
2017 – 2019	Python & Systems Security Developer — Inpedio Built custom Android kernel/security tooling and messaging behavior-analysis engines; engineered a working Linux kernel kptr_restrict bypass. Stack: Python · C · Android Internals · Java · Go
2016 – 2017	Software Developer — Saltech Consulting Built a custom automated UI verification and testing framework for Siemens. Stack: Python · GCP · Java · PEGA

03. WHY Taiko Labs (Based Ethereum ZK-Rollup) / 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。

04. VERIFIED LINKS, OSS ARCHITECT CREDITS & LINKEDIN NETWORK

- Dedicated Interactive Subdomain: <https://taiko.vaked.dev>
- Master Career Command Center: <https://apply.vaked.dev>
- Applicant LinkedIn: <https://www.linkedin.com/in/peter-lodri/>
- GitHub & OSS Architecture: <https://github.com/peterlodri-sec> · <https://github.com/8b-is> · <https://github.com/osaurus-ai/osaurus> · <https://github.com/simplifaisoul/osiris> ·

<https://github.com/headroomlabs-ai/headroom/pull/1418>

- Company LinkedIn: <https://www.linkedin.com/company/taikoxyz/> · Portal: <https://taiko.xyz>