

Arkadiy Pechnikov

Tech Lead / Engineering Manager | Python, Distributed Systems

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PROFESSIONAL SUMMARY

Engineering leader with 8+ years of hands-on Python development and 3+ years leading engineering teams. As CTO, built and led a 6-engineer team delivering crypto trading infrastructure on a \$100K budget. Architected SDK generation pipeline (mitmproxy to OpenAPI to auto-generated SDK) enabling integration with 20+ undocumented exchange APIs. Established code review processes, CI/CD workflows, and incident response protocols. Experienced in hiring, budget management, and cross-functional coordination.

TECHNICAL SKILLS

Languages: Python (8 years), Rust (2 years), Go, JavaScript/TypeScript, SQL

Leadership & Process: Team Building (up to 6), Code Review, Architecture Decisions, Hiring, Budget Management, Agile

Backend & Frameworks: FastAPI, Django, aiohttp, asyncio, Celery, Temporal.io, Pydantic, SQLAlchemy

Cloud & DevOps: Kubernetes, Docker, FluxCD, GitHub Actions, CI/CD, Helm, Cloudflare, MinIO

Databases: PostgreSQL, MySQL, MongoDB, ClickHouse, Redis, TimescaleDB, Elasticsearch

Observability: Grafana, Victoria Metrics, Loki, Sentry, Prometheus

PROFESSIONAL EXPERIENCE

Head of IT Infrastructure

Fenixwb — Wildberries slot booking service | Oct 2024 — Sep 2025 | Remote

- Recruited and managed 2 engineers (backend + DevOps), establishing task allocation and code review processes
 - Made key architecture decision to migrate from legacy monolith to Temporal.io microservices (~10 services)
 - Scaled platform to 200 background jobs/sec serving 10,000 users at 99% uptime
 - Diagnosed critical throughput bottleneck at 200 rps through systematic load testing and hypothesis-driven debugging
- Tech:** Rust, Python, Temporal.io, Elasticsearch, MySQL, Grafana, Victoria Metrics, Loki, Docker, K8s

CTO / Senior Python Developer

Cryptosoftware — Crypto trading infrastructure platform | May 2023 — Nov 2024 | Remote (Dubai-based)

- Built and led 6-engineer team (3 frontend, 2 backend, 1 Solidity) delivering crypto trading platform on \$100K budget
 - Owned full hiring pipeline: wrote job descriptions, conducted technical interviews, onboarded engineers
 - Architected SDK generation pipeline — key technical decision enabling integration with 20+ undocumented APIs
 - Established engineering processes: code review, CI/CD, sprint planning, knowledge sharing sessions
 - Navigated budget crisis: prepared investor pitch deck and led fundraising efforts to secure continued development
 - Delegated tech lead responsibilities to senior engineer, focusing on strategic and business-level decisions
- Tech:** Python, Web3.py, mitmproxy, OpenAPI, DeFi, asyncio, Docker

Middle+ Python Developer / Tech Lead

Vitrinagram — Telegram MiniApp e-commerce platform | Nov 2022 — Aug 2024 | Remote (Moscow-based)

- Led backend development for Telegram MiniApp platform, making architecture decisions for multi-tenant scalability
 - Designed horizontally scalable architecture with Celery + Kubernetes supporting 1,000+ concurrent users per store
 - Implemented GitOps deployment pipeline: FluxCD + GitHub Actions + Cloudflare for automated provisioning
 - Identified technical leadership gap — escalated concerns to CEO, resulting in team restructuring
- Tech:** FastAPI, Kubernetes, Celery, FluxCD, Grafana, Victoria Metrics, Loki, Sentry, MinIO, Cloudflare

Python Backend Developer / Lead

Freelance — Crypto infrastructure projects | Jan 2018 — Present

- Led team of 3 Go developers on CEX arbitrage project — owned architecture, task allocation, API integrations
 - Built and maintained multiple production systems: wallet orchestrator (2,000+ wallets), payment gateway, data pipelines
 - Managed client relationships and project scoping across 8+ freelance engagements over 6 years
- Tech:** Python, Go, JS/TS, Web3.py, ethers.js, nautilus-trader, PostgreSQL, Redis, asyncio

PROFESSIONAL DEVELOPMENT

Machine Learning Specialization — Stanford University (via Coursera) (2026)

Reinforcement Learning for Trading Strategies — New York Institute of Finance (2026)

LANGUAGES

Russian: Native | English: B1+ (strong reading/writing, conversational spoken)