STANISLAV RYBONKA

Lead / Principal Python Engineer — Backend & AI Systems

Vinnytsia, Ukraine · Remote (EU/US overlap)
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PROFILE

Python engineer with 10+ years in production backend systems and 5+ years leading teams — Tech Lead at Globaldev, Lead Engineer at Symphony Solutions, now founder and principal engineer at Flexipy OÜ. I design architecture that survives the first version, and I own systems end to end: discovery, architecture, hands-on delivery on the hard parts, CI/CD and release, hiring and mentoring. Recent work is AI-native — four LLM platforms shipped to production in 18 months, including an agent system running 25+ specialist agents under a human-approval workflow.

SELECTED IMPACT

- Scaled an engineering team from 5 to 20+ as Tech Lead — interviewing, onboarding, technical ramp-up.
- Shipped 4 AI platforms to production in 18 months, including an agent OS running 25+ Claude-powered specialist agents and a lead-generation SaaS live in 6 EU markets.
- Built data synchronization handling 500K+ records per day across third-party financial integrations.
- Cut bug rate by 30% by tightening the SDLC, and contributed to ISO 27001 certification on two platforms.

EXPERIENCE

Founder & Principal Engineer May 2025 – Present
Flexipy OÜ · Tallinn, Estonia · Remote

Python engineering company shipping AI-powered SaaS, agent systems and MVPs to production. Senior-only remote team, EU entity.

- Own solution architecture on every project — system design, data modeling, integrations and scaling strategy — and stay hands-on for core and high-risk components.
- Dev13 Systems — architected and built an AI-native business OS end to end: 8 modules and 25+ Claude-powered specialist agents in production on a human-approval workflow, with MCP servers I built exposing platform tools to the agents.
- Built the shared retrieval and evaluation layer behind every AI project — hybrid search over pgvector and Qdrant with reranking, Langfuse and LangSmith tracing, LLM-as-judge regression tests on golden datasets, and per-tenant token and cost tracking.
- Leon & Vera — AI lead-generation SaaS for European real-estate brokers over the WhatsApp Business API; live in 6 markets with subscription billing, GDPR and EU AI Act compliance.
- Osvitly — multi-tenant education platform: per-school data isolation, role-based access, a parent portal scoped to each family's own children, schema-validated LLM lesson drafting.
- X-Builder — AI takeoff and estimating for construction: computer vision (YOLO, OpenCV) on uploaded PDF plans detects rooms and openings, calculates dimensions and generates bids.
- AI voice-agent SaaS on Azure — realtime telephony assistant over Twilio Media Streams driving Azure OpenAI realtime speech-to-speech models inside a strict latency budget; the client returned for a second, larger phase.
- Run technical discovery and pre-sales — scoping, estimates and architecture proposals before a contract is signed; hire and mentor senior engineers; set standards for review, testing, CI/CD and monitoring.

Stack: Python, Django, DRF, FastAPI, PostgreSQL/pgvector, Qdrant, Redis, Celery, Docker, AWS, Azure, OpenAI, Azure OpenAI, Claude, LangChain, LangGraph, MCP, Langfuse, LangSmith, Twilio Media Streams, YOLO/OpenCV, React

Fractional CTO & Principal Engineer Oct 2024 – May 2025
OnFire Messenger · Delaware, US · Remote

AI-native super-app combining encrypted messaging (text, voice, video), an education hub, a marketplace and an integrated payments layer.

- Owned technology strategy across a multi-domain platform — messaging, learning, marketplace and payments — and architected the core backend services and the infrastructure they run on.
- Designed the AI agent layer — assistant workflows, LLM tool calling across every platform module and task automation, driven by a single-button assistant.
- Built real-time messaging across text, voice and video; delivered wallet and payments — token balances, Mastercard-powered card issuing, crypto-to-fiat conversion and settlement flows.
- Advised the founders on architecture, build-vs-buy, vendor selection and risk; owned product direction, backlog and release planning.

Stack: Python, Django, FastAPI, PostgreSQL, Redis, Celery, WebSockets, Docker, AWS, LLM tool calling, streaming APIs

Lead Python Software Engineer

Jun 2024 – Oct 2024

Symphony Solutions · Netherlands · Remote

Enterprise whistleblowing and integrity-analytics platform used by Fortune 100 companies and government agencies — highly sensitive reporting data, enterprise-grade access control and auditability.

- Owned features end to end — design, implementation, automated tests and deployment to production — and led architecture decisions across platform services and components.
- Ran enterprise onboarding implementations for large customers.
- Mentored engineers, ran code reviews, owned team performance and development plans; reported status, risks and decisions to internal and client-side stakeholders.

Stack: Python, Django, PostgreSQL, Docker, CI/CD, automated testing

Tech Lead | Senior Python Engineer

Oct 2021 – Dec 2023

Globaldev Group · Kadima, Israel · Remote

Wealth-management platform for financial advisors — investment and portfolio management, forecasting, lending and a private-wealth assistant. Continuation of the Steelkiwi team following Globaldev's 2021 acquisition.

- Helped scale the engineering team from 5 to 20+ — interviewing, onboarding and technical ramp-up.
- Led application design, architecture and technical direction on the platform; owned risk management, feature estimates and release planning.
- Contributed to ISO 27001 certification — security controls in application architecture and data handling.
- Refactored the legacy internal CRM — structural and architectural rework plus database optimization; defined business requirements directly with the CTO, product owner and stakeholders.

Stack: Python, Django, DRF, PostgreSQL, Redis, Celery, Docker, AWS, third-party financial integrations

Python Developer → Tech Lead

Jun 2017 – Oct 2021

Steelkiwi Inc. · Belmont, CA, US · Remote

Python CRM platform for an Australian fintech — client management, authentication and authorization, granular permissions, secure data access and processing.

- Built data synchronization handling 500K+ records per day across third-party financial integrations.
- Cut the bug rate by 30% and shortened delivery cycles by tightening the SDLC — review standards, automated testing and release process.
- Extended the core engine with Stripe, Xplan, Google and AWS integrations; built payment processing and financial data flows.
- Grew from Python developer to Tech Lead over four years on the account — technical decisions, code review, mentoring; contributed to ISO 27001 certification.

Stack: Python, Django, DRF, PostgreSQL, MySQL, Redis, Celery, Docker, AWS, Stripe

TECHNICAL SKILLS

Languages & Frameworks: Python, Django, DRF, FastAPI, Flask, asyncio, Pydantic v2, HTTPX, JavaScript, React, Vue

AI & LLM: OpenAI, Azure OpenAI, AWS Bedrock, Claude/Anthropic, LangChain, LangGraph, MCP servers (built, not just consumed), tool use and schema-validated structured outputs, multi-agent orchestration, human-in-the-loop approval workflows, streaming (SSE/WebSockets), prompt caching, model routing and fallback

Retrieval & Evaluation: RAG over pgvector and Qdrant, hybrid search (BM25 + vector), reranking, layout-aware chunking (PyMuPDF, unstructured); Langfuse and LangSmith tracing, LLM-as-judge and golden-dataset regression tests, prompt versioning, per-tenant token and cost tracking

Speech, Vision & Guardrails: Realtime voice over Twilio Media Streams and Azure OpenAI speech-to-speech; YOLO, OpenCV, document and PDF parsing; prompt-injection defense, PII redaction, content moderation, per-tenant key isolation, rate-limit backoff

Data & Infrastructure: PostgreSQL (pgvector), MySQL, MongoDB, Redis, Celery, AMQP/RabbitMQ, Docker, Kubernetes, AWS (EC2, ECS, ECR, Lambda, S3, RDS, VPC, Route 53, CloudWatch, Secrets Manager, Bedrock), Azure, Nginx, Gunicorn/Uvicorn, CI/CD, GitHub/GitLab

Practice: Solution architecture, domain-driven design (DDD), REST API design, multi-tenancy, TDD, spec-driven delivery with AI coding agents, pytest, pytest-asyncio, Ruff, mypy, uv, code review, OpenTelemetry, Sentry, Datadog, ELK, ISO 27001 controls, GDPR, EU AI Act

Leadership: Team leadership & hiring, mentoring and development plans, technical discovery & estimation, stakeholder management, roadmap & release planning

EDUCATION

Diploma in Information Technologies — Vinnytsia IT Academy 2015 – 2016

MSc, Ecology — Vinnytsia National Agrarian University 2008 – 2013

LANGUAGES

English — C1 · Ukrainian — native