

Anton Safonov

Python Backend Developer

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SUMMARY

Backend Developer with 4+ years building high-load, data-intensive systems in Python (FastAPI). Comfortable at scale (8TB+ data warehouses, 300GB/day pipelines, enterprise SLAs), with a focus on correctness and reliability under failure. Hands-on with LLM integrations and microservices; fullstack background helps design APIs frontends actually want. Claude Code power user; dig into business context and own outcomes from design to production.

TECHNICAL SKILLS

Python, FastAPI, PostgreSQL, ClickHouse, Docker, Redis, SQLAlchemy, asyncio, RabbitMQ, microservices, Pydantic, Pydantic AI, LLM integrations, pytest, CI/CD, Prometheus, Grafana, Loki, Sentry, REST API, Git, Linux, Nginx, MongoDB, Claude Code, Cursor

EXPERIENCE

Fullstack Developer (Python, React)

May 2025 – Present

KEYGO (property management)

Moscow, Russia (Remote)

- Cut page load time up to 81% (LCP 4.7s to 0.9s) by leading a full client frontend rebuild: Next.js 16 with Turbopack, TypeScript, Tailwind v4 design system and a pnpm monorepo, with mobile-responsive UX and zero layout shift
- Rebuilt the booking funnel end-to-end: mobile checkout wizard, Airbnb-style search with inline filters, in-checkout promo codes and a reworked ranking core, turning a leaky flow into a conversion-ready funnel
- Built a financial calculation freezing and versioning mechanism that aligned host reports with the payouts page, eliminating reporting discrepancies across \$200K+ in monthly transactions
- Migrated platform-wide authentication from JWT to revocable Redis-backed session cookies across all services, with brute-force protection and a zero-downtime password migration
- Drove AI-assisted development across a 5-engineer team as frontend technical owner: mentored the team on Claude Code workflows, unified codestyle, and lifted overall delivery throughput

Stack: Python, FastAPI, MongoDB, Redis, React, Next.js, Turbopack, TypeScript, Tailwind CSS, PostHog, Sentry

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Mar 2024 – Apr 2025

Realtytics (AI performance analytics for consumer businesses)

Nicosia, Cyprus (Remote)

- Built and owned a mission-critical, SLA-bound B2B API delivering weekly competitive intelligence to a major European food-delivery client, with full data traceability and audit trails end to end
- Built an async ETL pipeline normalizing 20GB+/day from disparate sources (maps, delivery platforms, reviews) into a unified analytics store, feeding near-real-time aggregations
- Designed two API microservices: an LLM service that parsed messy, unstructured addresses into clean structured data, and a localization service

Stack: Python, FastAPI, Clickhouse, PostgreSQL, Redis, RabbitMQ, Docker, Prometheus, Grafana

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Jan 2022 – Mar 2024

e-comet.io (analytics and promotion automation service for Wildberries)

Moscow, Russia

- Cut API latency 40% and ClickHouse load 20% on a high-load analytics API serving 300GB/day of marketplace data over an 8TB+ warehouse, by tuning queries and data pipelines
- Developed fail-safe mechanisms for all critical pricing and advertising budget operations, guaranteeing safe system performance for 200+ clients even during external API and internal service unavailability

Stack: Python, FastAPI, Clickhouse, PostgreSQL, Redis, RabbitMQ, Docker, Elasticsearch, Yandex Cloud

PROJECTS

AI Tarot @TarotMeowBot + Gramkit OSS [GitHub](#)

2024 - 2025

- Built and shipped an AI product solo, from zero to production: backend, payments, analytics, CI/CD, 1,500+ users. Hardened the YooKassa billing path for correctness: idempotency keys to prevent double-charges, provider-side webhook re-fetch against spoofing, and a dunning state machine (grace period + bounded retries) to recover failed renewals, with schema-enforced one-active-subscription invariants. Extracted the core into Gramkit, an open-source type-safe monorepo framework (FastAPI, SQLAlchemy, OpenAPI-to-TypeScript codegen, auth, payments).

Stack: FastAPI, Pydantic AI, SQLAlchemy, PostgreSQL, Redis, Vue, React, Next.js, TypeScript, Tailwind CSS, Docker

EDUCATION

National Research University Higher School of Economics

2020 – 2024

Bachelor's - Applied Mathematics and Computer Science

Faculty of Computer Science