



Denis Nagornyi

SENIOR PYTHON ENGINEER | LLM AGENTS & RAG | FASTAPI/DJANGO | TBILISI, GEORGIA (GMT+4)

8+ YEARS OF EXPERTISE

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Profile

Senior Python Engineer (8+ yrs) building high-load backend systems and LLM/RAG products. Led end-to-end delivery: architecture, data pipelines, CI/CD, observability, performance tuning. Shipped: multi-agent ESG Q&A with strict source validation, OpenAI API orchestrator (10k RPS), and matching algorithm that added 50k+ listings.

Skills

Backend: LlamaIndex, Python, Django, Flask, Tornado, FastAPI, AsyncIO, Pydantic, PostgreSQL, MongoDB, Redis, Golang

Env: Docker, Kubernetes, AWS, Lambda, GCP, Scaleway, Cognito, oVirt, Git, Linux, Terraform

Experience

SENIOR PYTHON DEVELOPER AT EETOSO.IO. FEBRUARY 2025- NOW;

- Built a multi-agent ESG Q&A system that delivers fact-grounded answers based on real data, eliminating LLM hallucinations through RAG and strict source validation. (LlamaIndex/rag/ OpenAI)
- Designed and implemented a scalable data architecture aggregating 16M+ ESG datapoints into clean, business-ready dashboards.
- Developed a high-load OpenAI API orchestrator (up to 10k RPS) with token-aware rate limiting, batching, and multi-key load balancing.

Stack: OpenAI API, LlamaIndex, Python, FastApi, AsyncIO, PostgreSQL, Docker, AWS, Kafka

SENIOR PYTHON DEVELOPER AT EMERGING TRAVEL GROUP. NOVEMBER 2023 - FEBRUARY 2025;

- Built a property management system for short-term rental hosts.
- Designed and shipped a matching algorithm that 3x increased listings (+50k properties), driving revenue growth.
- Streamlined onboarding to add +20k properties in high-demand regions via a data-driven pipeline.
- Reduced time-to-activate by fixing key host pain points, improving supply availability in critical markets.

Stack: Python, Django, AsyncIO, PostgreSQL, Docker, Scaleway Cloud, Kafka

SENIOR BACKEND ENGINEER I AT SUPER DISPATCH INC., KANSAS (REMOTE) FEBRUARY 2022 – NOVEMBER 2023; 1 YR 10 MOS

Development and support of web app backend, mobile application and public APIs

- Optimized Elasticsearch documents to set up a responsive search with a P99 latency of 3 seconds.
- Improved system availability to 99.87% and reduced bug resolution time from 2 weeks to just a few hours by implementing Datadog monitoring.

Stack: Python, Django, PostgreSQL, Golang, FastAPI, Django Rest Framework, Docker, GCP, RabbitMQ

SENIOR WEB DEVELOPER AT TETRIKA SCHOOL, MOSCOW. JANUARY 2021 – FEBRUARY 2022; 1 YR 2 MOS

Involved in core processing and marketing tasks.

- Refactored legacy code that integrates CPA and payment processing, so integrating new ad network or payment system takes 3-5 days instead of month.
- Implemented custom per-block caching for dynamic landings for lowering load times and cpu cost.

Stack: Python, Tornado, Flask, PostgreSQL, Golang, Docker, AWS, Redis, RabbitMQ

MIDDLE PYTHON DEVELOPER AT DRIMTIM.IO, MOSCOW. MARCH 2018 – JANUARY 2021; 2 YRS 11 MOS

Implemented a lot of projects, from customising OpenStreetMap to writing high level drivers for storage systems and hypervisors orchestration system.

Stack: Python, Django, Flask, PostgreSQL, MongoDB, Golang, Docker, Redis, RabbitMQ

PYTHON ENGINEER; HONEYTEDDY. SEPTEMBER 2016 - MARCH 2018. 1 YR 7 MOS

Development of automation of internal business processes

Stack: Python, Django, Flask, PostgreSQL, Docker

Education

MComp, Computer Science and Informatics, Moscow Aviation Institute (National Research University), Moscow 2021.