

LinkedIn.com/felixdesyatirikov

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About

AI engeenier with commercial experience of **6 year** working in teams of 5 to 20 people. Integrated platform-based AI solutions into existing and planned information systems. Built the **full development cycle**: from requirements gathering to implementing a system with an automated release pipeline, high test coverage, and using cutting-edge CI/CD and DevOps practices. In addition to core Python/AI expertise, I have great experience working with Kubernetes and microservice architectures. I am interested in the development of the PyTorch ecosystem and continuously update my knowledge in these areas. My hobby is building a personal brand through presentations at professional conferences, publishing scientific papers, and contributing to Open Source.

Skills

- AI/ML

Python, FastAPI, LangChain, LangGraph, LLM, OpenAi, Claude, LLama, RAG, NLP, PyTorch, PGvector, FAISS, Bert, MLops, DevOps, TTS, Hugging Face, asyncio, CatBoost, XGboost, LGBM, Java, Kotlin, mlflow, PostgreSQL
- Big Data

Apache Kafka, Hadoop, Spark, Hive, Impala, Airflow
- DevOps

Kubernetes, OpenShift, Microservices, Docker, Vagrant, Docker Compose, CI/CD, Ansible, Linux, Prometheus, Grafana, MinIO, Google Cloud Platform
- Architecture

DDD, TDD, BDD, Hexagonal Architecture, Microservices

Experience6 year

VK

Senior AI Software Engineer

- Developed **ML-based partition balancing system** for an in-house stream data processing solution
- Implemented a RAG system for incident analysis and **automatic SRE documentation updates**. This **reduced incident resolution time** and accelerated the onboarding of new SRE engineers

Stack: Python, FastAPI, RAG, Lang Graph, LangChain, Java, Spring Boot, CatBoost, YTsaurus

6 month

Jul 2025 - present

T1 Innotech

Senior Backend Developer

- Integrated a RAG fusion approach into the system, which made it possible to **improve answer quality by 11%** and increase user satisfaction
- Implemented an AI assistant subsystem for replying to emails in an in-house mail client, taking into account message history and the use of users' personalized master prompts
- Built a **multi-agent MCP-based** documentation navigation system across different business domains. It helped simplify the documentation writing process and accelerate onboarding
- Integrated a metrics and tracing collection system into the application, which increased observability, improved failure predictability, and accelerated incident localization

Stack: Python, FastAPI, LangChain, Lang Graph, RAG, NLP, PGvector, MCP, Apache Kafka

1 year

Jul 2024 - Jul 2025

Bell Integrator

Backend Developer

- Added logic to the RAG system to detect queries with insufficient access rights and suggest privilege escalation, which eliminated false 'no data' responses and **improved system transparency**
- Implemented a notification system for detecting personal data in the knowledge base, which increased the security of the original data source
- Developed a semantic caching system. This improvement reduced latency for similar queries and increased user satisfaction

Stack: Python, FastAPI, LangChain, RAG, NLP, PGvector, Apache Kafka

1 year 8 month

Nov 2022 - Jul 2024

Inline Group

Backend Developer

- Developed a service for displaying analytics on employee action results, increasing workflow analysis speed by **30%**
- Developed a **Computer Vision** service to reduce defect analysis time by **20.7%**
- Increased the number of unit tests from **2,058** to **3,891** to reduce support requests

Stack: Python, FastAPI, Java, Spring Boot, OpenCV, Docker, PostgreSQL

1 year 8 month

Mar 2021 - Nov 2022

Stroyservice

Full-stack Developer

- Backend/Frontend development of a corporate logistical system

Stack: Java, Spring Boot, Hibernate, PostgreSQL

9 month

Jun 2020 - Mar 2021

Education

«Applied Mathematics and Computer Science»
Voronezh State University, Voronezh, Russia
Bachelor's degree

«Applied Mathematics and Computer Science»
Voronezh State University, Voronezh, Russia
Master's degree

Certificates

Architecting with Google Kubernetes Engine Specialization

Mar 2024

Papers

Scopus

Web of Science

IEEEExplore

Languages

RussianNative proficiency

EnglishProfessional working proficiency