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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

<b>AI/ML</b>	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
<b>Big Data</b>	Apache Kafka, Hadoop, Spark, Hive, Impala, Airflow
<b>DevOps</b>	Kubernetes, OpenShift, Microservices, Docker, Vagrant, Docker Compose, CI/CD, Ansible, Linux, Prometheus, Grafana, MinIO, Google Cloud Platform

## Experience

<b>VK</b>	<b>6 year</b>
Senior AI Software Engineer	<b>5 month</b> Jul 2025 - present
<ul style="list-style-type: none"><li>Developed <b>ML-based partition balancing system</b> for an in-house stream data processing solution</li><li>Implemented a RAG system for incident analysis and <b>automatic SRE documentation updates</b>. This <b>reduced incident resolution time</b> and accelerated the onboarding of new SRE engineers</li></ul> <b>Stack:</b> Python, RAG, LangChain, Java, Spring Boot, CatBoost	
<b>T1 Innotech</b>	<b>1 year</b>
Senior Backend Developer	Jul 2024 - Jul 2025
<ul style="list-style-type: none"><li>Integrated a RAG fusion approach into the system, which made it possible to <b>improve answer quality by 11%</b> and increase user satisfaction</li><li>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</li><li>Built a <b>multi-agent MCP-based</b> documentation navigation system across different business domains. It helped simplify the documentation writing process and accelerate onboarding</li><li>Integrated a metrics and tracing collection system into the application, which increased observability, improved failure predictability, and accelerated incident localization</li></ul> <b>Stack:</b> Python, FastAPI, LangChain, Lang Graph, RAG, NLP, PGvector, Apache Kafka	
<b>Bell Integrator</b>	<b>1 year 8 month</b>
Backend Developer	Nov 2022 - Jul 2024
<ul style="list-style-type: none"><li>Added logic to the RAG system to detect queries with insufficient access rights and suggest privilege escalation, which eliminated false 'no data' responses and <b>improved system transparency</b></li><li>Implemented a notification system for detecting personal data in the knowledge base, which increased the security of the original data source</li><li>Developed a semantic caching system. This improvement reduced latency for similar queries and increased user satisfaction</li></ul> <b>Stack:</b> Python, FastAPI, LangChain, RAG, NLP, PGvector, Apache Kafka	
<b>Inline Group</b>	<b>1 year 8 month</b>
Backend Developer	Mar 2021 - Nov 2022
<ul style="list-style-type: none"><li>Developed a service for displaying analytics on employee action results, increasing workflow analysis speed by <b>30%</b></li><li>Developed a <b>Computer Vision</b> service to reduce defect analysis time by <b>20.7%</b></li><li>Increased the number of unit tests from <b>2,058</b> to <b>3,891</b> to reduce support requests</li></ul> <b>Stack:</b> Python, FastAPI, Java, Spring Boot, OpenCV, Docker, PostgreSQL	
<b>Stroyservice</b>	<b>9 month</b>
Full-stack Developer	Jun 2020 - Mar 2021
<ul style="list-style-type: none"><li>Backend/Frontend development of a corporate logistical system</li></ul> <b>Stack:</b> Java, Spring Boot, Hibernate, PostgreSQL	

## Education

«Applied Mathematics and Computer Science»  
Voronezh State University, Voronezh, Russia

## Certificates

<u>Architecting with Google Kubernetes Engine Specialization</u>	Mar 2024
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## Papers

Scopus Web of Science IEEEXplore

## Languages

<b>Russian</b>	Native proficiency
<b>English</b>	Professional working proficiency