

Alexander Polyakov

Senior AI / Python Engineer - LLM Agents · RAG · MCP · Evaluation

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Georgia / Remote / Anywhere Russian / English

Experience: 10+ yrs backend · 5+ yrs AI / LLM

ABOUT

AI / Python Engineer with 10+ years of backend architecture experience (highload, distributed systems, Kubernetes). For the last ~3 years I've been building AI infrastructure: LLM agents, RAG systems, MCP, Skills, and evaluation pipelines. The tools are used by **100+ developers** across the company. I've launched products from scratch and led teams. Specialization: agentic workflows, retrieval-augmented generation, hallucination control, end-to-end ownership. Stack: Python, FastAPI, LLM APIs (OpenAI / Claude / Gemini), vector search, Kubernetes, PostgreSQL.

EXPERIENCE

DFuture - AI / Backend Engineer (outstaff)

Nov 2023 – present

USA, VA

- ▶ Built 10+ AI tools and plugins for Claude Code / Codex / Cursor / OpenCode. Adopted by **100+ developers** across the company, they cut routine cycles by ~30%.
- ▶ Designed & shipped 5+ RAG systems and MCP Skills (Model Context Protocol) with retrieval pipelines and embeddings-based search over 10,000+ documents.
- ▶ Implemented evaluation pipelines to measure RAG quality. Reduced hallucinations by ~30% (faithfulness / retrieval accuracy).
- ▶ Engineered Spec-Driven Development and ADLC/SDLC flows as multi-step agentic orchestration (supervisor / handoff patterns). Sped up onboarding 2x.
- ▶ Authored 20+ ADRs, manuals and articles; trained 50+ employees in AI development practices.

Stack: Python, FastAPI, LLM APIs (OpenAI / Claude / Gemini), RAG, MCP, embeddings, vector search, prompt engineering.

AbsolutTech LLC - Lead Developer / Solution Architect

Nov 2021 – Nov 2022

Moscow, Absolut Insurance Group

- ▶ Launched an insurance anti-fraud product from scratch in ~6 months: requirements gathering, architecture design, and bringing it to production.
- ▶ Architected the evolution from MVP monolith → Docker → CI/CD → extraction of 5+ critical microservices → Kubernetes.
- ▶ Led & hired a team of 6 (2 backend, 2 fullstack, QA, DevOps): 30+ interviews, onboarding, Kanban, cross-review.

Stack: Python, AI / ML, Keras, PostgreSQL, Kubernetes, Docker, Keycloak, RabbitMQ, Sidekiq, Ruby 3.1, Rails 7, Vue.js.

Balance-Platform LLC - Senior Developer

Jan 2020 – Nov 2021

Moscow

- ▶ Built a highload distributed credit application scoring system with integrations to 5+ banks.
- ▶ Optimized messaging via RabbitMQ and reduced processing latency by ~25%; developed a statistics service in Elixir.

Stack: Ruby 2.7, Elixir, Rails 5, PostgreSQL, Kubernetes, RabbitMQ, Elasticsearch.

Global Search LLC - Developer

Sep 2018 – Nov 2020

Saint Petersburg

- ▶ Developed the first insurance aggregator in Russia: billing integration with automated payouts, anti-fraud module.
- ▶ Migrated Rails 4 → 5 with zero downtime; set up CI/CD and cut the release cycle by ~50%.

Go-promo / Neuron digital - Ruby / Golang Developer

May 2016 – Feb 2018

Moscow

- ▶ Built highload services for a media holding; designed 10+ Swagger API endpoints.
- ▶ Integrated an AI content pre-moderation system.
- ▶ Implemented analytics on Elasticsearch and ClickHouse over millions of events; messaging via RabbitMQ.

PolexGroup - Programmer

Jan 2014 – May 2016

Moscow

- ▶ Developed 10+ corporate websites, enhanced a CRM, and built a web application for engineering calculations.

SKILLS

AI / LLM: Python · RAG · LLM agents · MCP · evaluation / hallucination control · embeddings · vector search · prompt engineering · LLM APIs (OpenAI / Claude / Gemini) · function calling / tool use · structured output · agentic orchestration (supervisor / handoff) · LangChain · LangGraph · pgvector

Backend: FastAPI · Ruby on Rails · Go / Golang · Node.js · JavaScript · GraphQL

Data / Infra: PostgreSQL · Elasticsearch · ClickHouse · MongoDB · Redis · RabbitMQ · Kafka

DevOps: Kubernetes · Docker · CI/CD · Git / code review · Linux

Other: architecture / highload · end-to-end ownership · team leadership · business analysis

EDUCATION

Synergy University, Moscow - Information Systems and Technologies. Development, maintenance, and security of information systems.

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