

SERGEY SHPAK

FULL-STACK & AI ENGINEER | PYTHON, REACT, APPLIED AI

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English: Fluent | Spanish: Upper-Intermediate (B2) | Russian: Native

PROFESSIONAL SUMMARY

Full-stack and AI engineer with 4+ years delivering production web, mobile, and enterprise applications using Python, Django, FastAPI, React, TypeScript, and PostgreSQL. Built customer-facing AI capabilities, enterprise RAG agents, white-label platforms, real-time communication, and external API integrations. Brings 20+ years of engineering leadership and ownership of complex business workflows.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL

Backend: Django, FastAPI, Node.js, Express.js, REST APIs, GraphQL, Authentication, External API Integration

Frontend & Mobile: React, Next.js, React Native, Mantine UI, MUI, Tailwind CSS, Responsive Design

AI & Automation: RAG, LLM Applications, AI Agents, Tool Calling, Vector Search, Qdrant, ChromaDB, pgvector, Ollama, n8n

Data, DevOps & Observability: PostgreSQL, MySQL, MongoDB, Firebase, Docker, Git, Linux, Nginx, OpenTelemetry, Grafana, Prometheus, Loki, Tempo

SOFTWARE EXPERIENCE

Full-Stack Engineer | Calefy

Sep 2025 - Present | Calgary, Canada

- Develop and maintain a complex asset division platform for the Canadian insurance and legal market using Python (Django), React, GraphQL, and PostgreSQL.
- Deliver client-requested features, resolve production issues, and modernize legacy code and framework versions across multiple products.
- Architected and delivered a backend-driven white-label management system with configurable branding, features, and workflows.
- Integrated AI-powered capabilities into customer-facing products.

AI Developer | Veridian

Jan-Jun 2025; Nov 2025-Feb 2026 | Delaware, USA

- Built an enterprise multi-tool AI agent and advanced RAG pipelines using Python and FastAPI.
- Integrated Slack and Confluence APIs into a unified AI-powered knowledge base.
- Optimized retrieval, prompt execution, and tool-calling logic to reduce latency and improve response relevance and quality.

Mobile Developer | Petmap

Mar 2024-Feb 2025 | Buenos Aires, Argentina

- Developed responsive React Native interfaces for a cross-platform iOS and Android application.
- Implemented real-time chat with Firebase Realtime Database and integrated PostgreSQL-backed services.

Software Developer | Upwork

Aug 2023-Dec 2024 | International Clients

- Delivered web, mobile, automation, database, maintenance, debugging, and refactoring projects for clients in the USA, Canada, Morocco, and Argentina.
- Maintained a 100% Job Success Score and earned Upwork Top Rated status.

EARLIER ENGINEERING & LEADERSHIP EXPERIENCE

Sales Director | Hoffmann Group

Oct 2020-Aug 2023 | Moscow, Russia

- Owned regional P&L, strategy, KPIs, and key accounts; led a 26-person organization and 10+ industrial optimization projects, including a Siemens engagement that reduced production costs by 20%.

Engineering, Product & Sales Leadership | Sandvik Coromant

Sep 2002-Sep 2020 | Moscow, Russia

- Progressed from Technical Specialist and Product Manager to Engineering Manager and Cluster Sales Manager, leading engineering, product, and commercial teams of up to 37 people.
- Delivered 8%+ annual sales growth, increased market share by 2.5%, and reduced customer production costs by up to 30%.

EDUCATION & CERTIFICATIONS

UTN, Argentina - Diploma in Full-Stack Web Programming, 2023-2024 | Certificate CER-8ORH59NS-96281

MongoDB Certification - Apr 2024

Moscow State Technological University STANKIN, Russia - Master of Science, 1996-2002

Leadership Development: Sandvik Top Management Program, 2018-2019 | Sandvik Global Leadership Program, 2013