EGOR KABANTSOV

FULL STACK ENGINEER | APPLIED AI
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ABOUT

Software Engineer with **6+ years** of experience building web, mobile, data, and AI systems. Built products used across **100+ international locations** and by **10k+ users**, with experience owning features and products end-to-end, scaling production systems, and integrating **AI/LLM workflows**, payments, analytics, and automation. RevenueCat Shipaton 2026 award winner.

EXPERIENCE

SOFTWARE ENGINEER, INDEPENDENT PRODUCT STUDIO | Feb 2025 - Present

Worked across multiple parallel products, owning selected products end-to-end and collaborating on others from requirements and architecture through release and iteration.

Healthcare / AI: built **MediLense**, a public drug-safety site on Cloudflare Workers over **20M+ FDA FAERS reports**: an **LLM agent** with tool calling, RAG over FDA labels, guardrails, an eval set with token and latency logging, and **3D views** of each drug and its protein target (3Dmol.js, PDB). Resolved 166K drug strings to 4.7K ingredients with a **LoRA-fine-tuned Qwen2.5-1.5B** (2x the accuracy of a 21B model, 12x faster), trained ranking models on a leak-safe **17M-row panel** with **MLflow**, joined 80K **ClinicalTrials.gov** studies. Also trained **XGBoost** / **PyTorch** models to predict F1 race results, tuned with Optuna.

Mobile: shipped React Native / Expo and Kotlin / Jetpack Compose Android products with **Gemini and DeepSeek API integrations**, ML Kit image segmentation, in-app subscriptions, Supabase auth/sync, encrypted storage, PostHog analytics, push notifications, i18n, and automated EAS releases.
Built a **RevenueCat Shipaton 2026 award-winning app**.

FinTech: developed a Next.js / Prisma / PostgreSQL finance platform with calculation and payment workflows, **Stripe integration**, Clerk auth, and a separate Python / Flask smart PDF-processing service deployed on Render.

FULL STACK ENGINEER, VERTIKAL | August 2021 - November 2026

Developed an internal HR and recruiting platform used by **200+ recruiters and managers**, processing **~10K-20K applications per month**, with candidate sourcing, job-board integrations, hiring stages, analytics, and scoring. Implemented **AI CV analysis** end-to-end, reducing average initial screening turnaround by **~35%** based on month-over-month workflow data.

Optimized database queries and client-side data loading across a React/Node.js platform used by **100+ service centers**, cutting key workflow load times by **~40%**.

Built a React/Nest.js/TypeScript training platform with a test-based loyalty system used by **10k+ users**; mentored developers and handled requirements, implementation, testing, and production releases.

INTERN DEVELOPER, INFOTEC | May 2021 - Aug 2021

Developed the client side of a movie theater seat booking application as part of a small team, strengthening frontend implementation skills, collaboration, and practical software development knowledge.

FRONTEND DEVELOPER, FREELANCE | Sep 2020 - April 2021

Built and deployed websites for small businesses using WordPress and custom frontend development, adapting implementation details to client requirements.

SKILLS

AI / ML: PyTorch, Scikit-learn, LightGBM, Hugging Face, LoRA / PEFT, RAG, Embeddings, Tool Calling, Guardrails, LLM Evals, MLflow, Ollama, Workers AI, Parquet, DuckDB, Pandas, NumPy, LLM API integrations (Gemini, DeepSeek)
Frontend / Mobile: HTML5, CSS3, JavaScript, TypeScript, React, React Native, Angular, Next.js, Vite, Tailwind, shadcn, D3.js, 3Dmol.js, Kotlin, Jetpack Compose
Backend: Node.js, Express.js, Nest.js, REST API, Socket.IO, Python, Flask, FastAPI, RabbitMQ, Redis, JWT Authorization, Database Design
Databases / Analytics: PostgreSQL, MySQL, MariaDB, SQLite, Sequelize, Prisma, Supabase, Clerk, PostHog
Cloud / DevOps / Tools: AWS, Cloudflare (Workers, Pages, R2), Docker, CI/CD, GitHub Actions, EAS, Jest, Vitest, Nginx, Render, Git, Cursor, Codex, Claude, Bash
Languages: English (C1), Russian (C2), German (Learning), Hindi (Learning)

EDUCATION

Saint-Petersburg State Institute of Technology | Bachelor's degree | 2019 - 2023
Automation Engineering