Ilya Simonov

SENIOR BACKEND DEVELOPER

7+ years of experience developing high-load systems with Python.
Specializing in microservices, complex integrations, and AI solution implementation.
Focusing on code quality and production observability.

💼 EXPERIENCE AND KEY PROJECTS

Backend for Website + App (NBA, NFL, MLB) — 2019 — 2026

Team Lead • Senior Backend Developer

→ Microservices architecture: 150+ APIs, 10+ parsers, user authentication.
→ Migration from MongoDB to PostgreSQL.
→ Migration of legacy user service to new stack.
→ Migration to Dokku/LB with zero production downtime.
→ Implementation of observability (OpenSearch, Sentry, CloudWatch) and alerting.
→ Tech leadership, code review, mentoring, architectural decisions.

Website backend migration — 2020 — 2022

Backend Migration Lead

→ Database schema redesign and asynchronous legacy migration to new stack.
→ Integration with RabbitMQ for data synchronization between services.
→ Launching new production with zero downtime.
→ Communication with Frontend team and PM.

Fantasy Game Engine — 2023 — 2025

Backend Lead

→ API, database, and state table design.
→ Real-time game data synchronization.
→ Implementation of transactional scenarios.
→ Leaderboards and fast queries.

AI content platform — 2025 — 2026

Senior Backend Developer

→ Queue orchestration (OpenAI/Gemini/Replicate) with retry control.
→ AI pipeline integration for media generation (photo, video, voice).
→ Development of high-performance search across millions of records.

🚀 PET PROJECTS (2025–2026)

Telegram mini-app: AI stickers — Bot link

Python • LLM • Telegram API • Celery

→ Generation of unique stickers from user photos using neural networks directly in the Telegram interface.
→ Payment integration, traffic management, and user support.

AI bankruptcy case analysis — Website

Python • LLM • Playwright

→ MVP of automatic parsing and analysis of legal documents and risk assessment in bankruptcy cases.

OpenClaw AI agent — Agent website

AI Agents • Codex 5.3 • Opus 4.6 • Telegram API

→ Personal AI assistant for automating daily workflows and coding tasks via Telegram.

CONTACT

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- 📍 Remote

SKILLS

Backend

Python · Django · DRF · Flask · Celery · OpenAPI/Swagger

Database

SQL · PostgreSQL · Redis · MongoDB

Infrastructure

AWS · CI/CD · Docker · Nginx · Git · Sentry · New Relic

Special

AI / LLM · ETL · Scraping · DevOps · Monitoring

Soft Skills

Responsibility · Systems thinking · Transparent communication · Proactivity · Self-development · Self-organization

LANGUAGES

Russian — Native

English — Fluent

EDUCATION

Bachelor's degree

2008 — 2013