



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

🌐 My website

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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