Igor Polyakov

Senior Backend Engineer

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Python backend engineer with experience delivering business software across travel, real estate and automation. I take ownership from requirements and data modeling through implementation, testing, rollout and production debugging. Strongest in integrations, transactional correctness, asynchronous processing and database performance; comfortable contributing to the web interface when a feature needs it.

TECHNICAL FOCUS

Backend: Python, Django, Django REST Framework, FastAPI, asyncio, Celery; REST, gRPC, WebSockets.

Data and integrations: PostgreSQL, Redis, MySQL, Elasticsearch, Kafka; relational modeling, reconciliation, retries and rate limits.

Delivery: Docker, Linux, pytest, CI/CD, Prometheus, Grafana; code review, query analysis and production debugging.

Adjacent: React, Svelte, JavaScript/TypeScript; Go (developing). AI-assisted implementation and review with Codex, Claude Code and Cursor.

EXPERIENCE

Full-Stack Engineer | PSA Europe

Jan 2026 - Present | GEOLN.COM and G-PLUS CRM

- **Released land plots as a new property type:** agreed object attributes and their presentation, implemented the type and its integration into existing search, tested the feature and released it to production.
- Aligned property search across listings and maps, preserving intentional filters and exact listing-ID lookups. Implemented server-side map clustering independently of list pagination, including viewport-based results.
- Built a company-scoped contacts API and bidirectional conversation synchronization between the property portal and CRM, including attachments and delivery status. Implemented lead delivery to partner CRMs with retries.
- Improved background translation and image-processing jobs by moving slow work outside database transactions to shorten lock duration.

Senior Backend Developer | Emerging Travel Group

Jan 2024 - Jan 2026 | Remote

- Refactored core ERP/CRM transaction workflows to preserve tenant isolation and consistent state under concurrent updates.
- Designed REST, gRPC, WebSocket and RPC interfaces; built concurrent asyncio workers for ledger reconciliation and third-party synchronization.
- Tuned PostgreSQL query plans and indexes, applied Redis rate limits, and used Prometheus and Grafana to investigate performance and reliability issues.
- Improved automated validation and CI/CD practices; co-built an internal release-management tool for engineering and QA.

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EARLIER EXPERIENCE

Senior Backend Developer | Independent B2B Contracts

Jun 2023 - Dec 2023 | Remote

- Designed and shipped Django and FastAPI backends for configurable CRM and ERP products with role-based access control.
- Built Celery/Redis background processing for invoice generation, computational queues and real-time status updates.
- Designed double-entry ledger schemas to preserve accounting invariants and keep balances consistent.

Lead Python/Django Developer | Automatica.ly

Sep 2016 - Nov 2022 | Remote

- Led CRM and ERP automation projects from requirements and backend architecture through implementation, deployment and maintenance.
- Built mobile APIs, back-office tools, data import/export pipelines and transactional Telegram bots integrated with internal APIs.
- Created reusable project foundations, reviewed code and mentored engineers; coordinated work and deployments in a distributed team.

Game Developer | Mail.Ru Games

Nov 2011 - Sep 2016

Developed online games and supporting web/backend systems with PHP, Lua, MariaDB and JavaScript.

Lead Game Developer | Dotty / PlayFlock

Sep 2009 - Nov 2011

Worked on game development and small-team technical leadership.

Earlier web development | May 2008 - Sep 2009
Built websites and web features with PHP and JavaScript.

SELECTED PERSONAL PRODUCTS

Read Aloud - Python Telegram text-to-speech bot using locally hosted speech models, with bounded fair queues and container deployment for CPU and GPU environments.

Track Watch - Wear OS Toggl timer with an Android companion, built with Flutter/Dart and Kotlin. Includes offline queues and downloadable GitHub releases.

WORKING STYLE AND AVAILABILITY

Start with the user or business outcome, choose a practical scope, and stay accountable through verification and delivery. Use AI coding tools to accelerate implementation while retaining responsibility for design decisions, review and behavior.

Languages: English C1; Russian and Ukrainian native.

Looking for: a small or medium-sized, English-speaking remote product team. Contract work; workload negotiable.