

Vitaliy Sazonov

Senior Backend & AI Engineer · Python / Django

Remote (Bangkok, GMT+7) · Russian (native) / English B2
Work authorization: Russia · Armenia · Kazakhstan

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Open to work: full-time · contract · consulting — rate on request

PROFILE

Backend engineer with **10+ years** of commercial experience (writing code since school). Focused on **Python / Django, multi-tenant SaaS cores, payment systems, business-process automation and AI/LLM integrations**. I design systems that survive production: ADR discipline, queues and background jobs, Docker/CI-CD, clean REST/OpenAPI, strict data isolation and adapter layers over external services. For the last 5 years I have designed and run my own production products end-to-end; experience leading a development team.

CORE SKILLS

Languages	Python (primary), TypeScript / JavaScript, PHP, Swift (experience)
Backend	Django, Django REST Framework, Flask, SQLAlchemy, REST API, OpenAPI / Swagger, microservices
Data	PostgreSQL, MySQL, Redis, pgvector, SQL / NoSQL, ORM
Async / messaging	Celery, Celery-beat, RabbitMQ, Kafka, Google Cloud Pub/Sub
Infra / DevOps	Docker, Linux, Nginx, CI/CD, Git, server administration, VPN
AI	LLM integrations, agent orchestration, RAG (pgvector), realtime STT→MT→TTS
Frontend	Vue.js, Quasar, React, Next.js, TypeScript

OWN PRODUCTS · 2020 — PRESENT (SOLO / R&D)

appKit — multi-tenant SaaS platform

Launch sites, Telegram bots and mini-apps from pluggable modules. Project → Site → Modules tenancy with strict per-site data isolation; modules and external-service adapters selected per site by config; per-site RBAC; dual auth (JWT + Telegram HMAC); three Next.js frontends on one API. *Django, DRF, PostgreSQL, Celery, RabbitMQ, Redis, Next.js, Docker.*

PayKit — self-hosted payment gateway

A single multi-tenant API (payments/refunds/payouts/disputes) over provider adapters; monotonic state machine with advisory locks; outbox of signed webhooks; merchant-scoped isolation. *Django, DRF, PostgreSQL, Celery, RabbitMQ.*

lingvo — AI translator + meeting notes

Realtime translation (STT→MT→TTS via Pipecat + LiveKit) and AI meeting notes (action items, RAG brief over pgvector); payments behind adapters. *Django, DRF, Celery, PostgreSQL, pgvector, LiveKit, Pipecat, Next.js.*

fileforge — file conversion API

Image↔PDF conversion: async job pipeline (202 + Celery), magic-byte validation, API keys, S3, signed webhooks, Node and Python SDKs. *Django, DRF, PostgreSQL, Celery, S3.*

croply — image optimization gateway

Multi-tenant gateway (any→WebP/AVIF) with its own tenancy, quotas, S3 storage and token encryption (Fernet). *Django, DRF, Celery, S3.*

seo-audit — automated site auditor

SEO/Tech SEO/Performance/AI-ready: URL → crawl → 726 canon checks → weighted scoring → PDF; checks as data (checks.yaml), not code. *Django, DRF, PostgreSQL, Celery, Redis, Playwright.*

vault-keeper — secrets & infra manager

A simpler take on HashiCorp Vault: encrypted secrets with versioning and rollback, SSH-tunnel command generation, full audit log. *Django, DRF, PostgreSQL, Redis, Vue 3, TypeScript, Docker.*

project-planner — AI project docs generator

SaaS that turns an AI interview into full project docs (ADRs, sprints, task specs, CLAUDE.md, machine context) ready for AI assistants and CI/CD. *Django, DRF, Claude API, n8n, RabbitMQ, Nuxt 3.*

EXPERIENCE

Independent / Founder — Backend & AI Engineer

2020 — present

- Designing and running my own production products end-to-end (see Own Products): appKit, PayKit, lingvo, fileforge, coproly. Full-time on own products since 2023; alongside employment before that.

Umbrella IT — Backend / Web Developer

May 2021 — Oct 2023

Complex CRM and business systems, queues, DevOps, deployment

- Interactive catalog: resumable large-file uploads (TUS), PDF processing, Google Cloud Push/Pull; MySQL → PostgreSQL migration.
- Commodity exchange: broker↔dealer deals, background jobs (Celery), CSV import/export via Django admin, compliance changes.
- Logistics tracking: containerization (Docker), DRF API, third-party tracking API integration, webhooks, Swagger, deployment.
- CRM for agribusiness (frontend): client dashboard, registration/auth and admin-impersonation login, Docker build, CI/CD pipeline.

Python, Django, DRF, Celery, PostgreSQL, Docker, React, Vue, Quasar, TypeScript.

Aktiv Plus (saleads.pro) — Backend Developer

Oct 2017 — Feb 2020

- Automated multi-channel campaign systems: SMS, MMS, Email, Web Push, PWA — deliverability and scaling.

Mibok · Global Solutions — Bitrix / PHP Developer

Aug 2016 — Oct 2017

- Bitrix/PHP web development: modules and components, markup integration, events and agents, access control, site security and performance.

DealerPoint — Developer (Swift)

Jul 2014 — Feb 2016

- EXTAP — a messenger and business tool for assigning and tracking tasks across contacts.

Work Solutions — Junior Bitrix / PHP

Oct 2013 — May 2014

- First commercial role on Bitrix Framework: modules and components, markup, mail templates, events, agents, access control and site search.

EDUCATION & LANGUAGES

Don State Technical University (DSTU), 2014 — Computer Science.

Russian — native · English — B2 (Upper-Intermediate).