

ARTEM ALIMPIEV

Python Backend Engineer | Django | FastAPI | PostgreSQL

Uruguay | Remote | Full-time or Contract

Phone: +59891748238

Email: [alimpiene@gmail.com](mailto:alimpiene@gmail.com)

GitHub: <https://github.com/Artem7898>

LinkedIn: <https://linkedin.com/in/artem-alimpiiev>

Django Nova: <https://artem7898.github.io/django-nova-site/>

## PROFESSIONAL SUMMARY

Python Backend Engineer developing backend applications and open-source tools with Django, FastAPI, PostgreSQL, and asynchronous Python. Creator and maintainer of django-nova, a published Python package combining Django ORM integration, Pydantic validation, caching, and PostgreSQL migration tooling. Built 4 independent engineering projects spanning backend infrastructure, scientific APIs, test analysis, and inventory management. Delivered a bilingual commercial website for a client, handling requirements and implementation directly.

## TECHNICAL SKILLS

Languages: Python, SQL.

Backend: Django, FastAPI, Django REST Framework (DRF), Django Ninja, REST API development, Pydantic v2, Asyncio.

Databases and caching: PostgreSQL, Django ORM, SQLAlchemy, Redis, schema design, indexing, query optimization, database migrations.

Architecture: Clean Architecture, Domain-Driven Design (DDD), asynchronous programming, separation of concerns.

Testing and quality: Pytest, pytest-asyncio, property-based testing, Pyright, static type checking, Ruff.

Infrastructure: Linux, Docker, Docker Compose, Nginx, GitHub Actions, Continuous Integration / Continuous Delivery (CI/CD).

Security: Authentication, authorization, JSON Web Tokens (JWT), Role-Based Access Control (RBAC), rate limiting.

AI and developer tooling: LLM integration, Ollama, CatBoost, MLflow, Python AST analysis, OpenTelemetry.

## COMMERCIAL EXPERIENCE

Independent Web Developer | Accept Metall

2026 | Remote

Website: <https://acceptmetall.ru/>

- Delivered a commercial website in 2 languages, Russian and English, for a metal-supply company.
- Gathered requirements directly from the client and translated them into site structure, navigation, and contact workflows.

- Implemented language switching and responsive layouts to present the company's products and services.
- Managed technical decisions and implementation independently, including maintainable project structure and SEO fundamentals.

## INDEPENDENT DEVELOPMENT EXPERIENCE

Independent Python Backend Developer | Personal and Open-Source Projects

November 2023 - Present | Remote

- Developed 4 engineering projects using Python, Django, FastAPI, PostgreSQL, and related tools.
- Designed application architecture, database schemas, APIs, tests, and documentation independently.
- Built automated tests with Pytest and pytest-asyncio; applied Pyright and Ruff for static analysis.
- Containerized applications with Docker and Docker Compose and automated development checks with GitHub Actions.

Selected projects:

django-nova | Creator and Maintainer

Repository: <https://github.com/Artem7898/django-nova>

Package: <https://pypi.org/project/django-nova/>

- Developed and published a typed Django toolkit integrating Django ORM with Pydantic-based data validation.
- Centralized validation schemas to support reuse across Django, Django REST Framework, and FastAPI integrations.
- Implemented QuerySet caching and automatic cache invalidation.
- Built PostgreSQL migration tooling supporting CREATE INDEX CONCURRENTLY workflows.
- Implemented asynchronous task execution with Asyncio and integrated OpenTelemetry.
- Maintain public source code, documentation, and package releases.

Scientific FastAPI | Creator

Repository: [https://github.com/Artem7898/scientific\\_fastapi](https://github.com/Artem7898/scientific_fastapi)

- Built a typed FastAPI framework for scientific and computational workloads using Pydantic v2 and asynchronous Python.
- Separated scientific domain logic from HTTP infrastructure using Domain-Driven Design, allowing domain components to be tested independently.
- Integrated Redis, Docker, and MLflow for computational workflows and experiment tracking.
- Added automated tests and static analysis with Pytest, pytest-asyncio, Pyright, and Ruff.

FlakyDetector | Creator

Repository: <https://github.com/Artem7898/flakydetector>

- Developed an ML-based tool to identify potentially flaky Python tests through AST analysis and CatBoost.
- Built components for source analysis, feature extraction, model inference, and FastAPI integration.
- Integrated Docker, Pytest, and GitHub Actions for packaging and automated checks.

HomeInventory | Creator

Repository: <https://github.com/Artem7898/homeinventory>

- Built an inventory management application with Django, Django Ninja, PostgreSQL, and QR-code workflows.
- Implemented REST APIs, authentication, authorization, and rate limiting.
- Containerized the application with Docker.

## RESEARCH SOFTWARE RECORDS

django-nova

Zenodo DOI: 10.5281/zenodo.20057443

Scientific API Gateway

Zenodo DOI: 10.5281/zenodo.20057106

FlakyDetector

Zenodo DOI: 10.5281/zenodo.20042797

## EDUCATION

Python & Web Development | GeekBrains

Professional Certificate | 2021

## LANGUAGES

Russian: Native.

English: B1 (self-assessed); actively improving.