

Nikita Avdeev

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PROGRAMMING SKILLS

Languages: Python, Go, C# **Technologies:** Flask, Django, SQL, Telegram Bots, Google Docs API, Kafka

SUMMARY

With over four years of experience as a software engineer, I have focused on Python and value well-organized team environments where we work together to achieve business goals, resolve architectural challenges, and develop features from concept to deployment. I find great satisfaction in working on internal and personal projects, and I am constantly looking for opportunities for learning and growth.

EXPERIENCE

- **Aviasales**, Travel metasearch platform with 15M monthly active users Karlsruhe, Germany · Remote
Python Developer Nov 2021 - Present
Maintaining a database and APIs for travel content and audio guides. Implementing new tools to improve the efficiency of editorial team using Flask, Amazon S3, and Kafka. On-call duty and incident response.
 - **Feature Development and Scalable Architecture:** Led the development of a feature used by 20% of users, applying an MVP approach. Managed development within a three-person platform team, designing API contracts, making scalable architectural decisions based on SOLID and DDD principles that became the foundation for 3 key features over the course of a year for our department.
 - **Optimizing Content Uploads:** Accelerated the uploading of travel content by 65% by creating a worker application that parses data from documents using the Google Docs API and Kafka. I documented the entire technical process for the team and created user instructions for the editorial staff, and also delivered a presentation to the company's backend developer community.
 - **Data Migration and Efficiency Improvement:** Designed schemas, extended a database, wrote the entire API, and migrated data, including contacts, payments, and personal information for more than 4,500 local content creators, from an internal Google Sheets database, significantly improving data accessibility and management efficiency. This process reduced data retrieval and update times by 50%, while strengthening integrity.
 - **Enhancing User Engagement Through New Tool:** Designed the database architecture and developed the API for the 'Destination Screen' page, enabling the collection of up to 30% of the displayed content and accelerating content delivery time. This efficient process significantly increased user engagement by over 15%.
- **Kirpich**, Digital building materials procurement platform Ekaterinburg, Russia · Hybrid
Junior Python Developer Dec 2020 - Aug 2021
Created APIs with Django REST Framework, contributing to models for seamless integration.
 - **Improving Application Submissions:** Accelerated customer application submissions by reducing form-filling time by 30% by implementing a microservice that retrieves addresses and coordinates based on cadastral numbers. This service includes authentication, API integration, and Docker deployment.
 - **Enhanced Contract Signing Process:** Edited the online contract signing sequence and wrote API tests to meet the project's specific needs. Added new models and statuses to the contract signing process.

EDUCATION

- **Ural Federal University**, ranked in the top 5.4% by CWUR Ekaterinburg, Russia
Bachelor's degree in Software Engineering; GPA: 4.76/5.00 Sep 2019 - Jul 2023

PROJECTS

- **Vpnery:** A commercial VPN service implemented in Python and Django, using Outline and Telegram Bots API, Yookassa for payments, and cron jobs for subscription management.
- **GorprojectBot:** A Python bot utilizing a maps API to verify whether a building is within the electoral district of Ekaterinburg, based on entered addresses or geolocation. Created for a candidate's deputy election campaign.
- **Coronavirus-CashFlow:** An educational game developed in C# that teaches fundamental principles of investing and budget management, inspired by the 2020 pandemic and Robert Kiyosaki's book "Rich Dad Poor Dad".

LANGUAGES

Russian (native), English (B1+), German (A2 - basic)