

Maxim Lyaskovskiy

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About me

Senior Backend Engineer with 7+ years in Django and Python, specializing in asynchronous architectures and PostgreSQL. Led migration of a monolithic mailing service into a modular microservice, cutting email delivery time by 30% and system load by 20%. Designed a scalable backend for IDM Service Portal project servicing 14,000+ users with 1,000 daily active users. Skilled in RESTful API development, testing, and microservice architecture.

Experience

12/2022 – present
Moscow, Russia

Full-stack / Senior Engineer **VK.company**

- Extracted mailing subsystem from a monolithic Intranet system and rewrote it into a modular microservice with an extensible middleware pipeline, enhancing resource efficiency and reducing email delivery time by 30% while lowering monolith load by 20%.
- Ensured stable, high-throughput processing of 150k+ emails daily with over 9M+ emails stored in 6 months and 52+ RPS on 4 instances by implementing asynchronous architectures including multi-layer routing, recursive subscriptions, and pre/post-processing middlewares.
- Designed and led development of a Domain-Driven Design inspired modular backend architecture for a standalone Django-based Service Portal, managing onboarding and access provisioning for 14,000+ employees.
- Led architectural design by formalizing business workflows, defining system interactions, and decomposing functionality into scalable components, ensuring predictable and maintainable delivery aligned with microservice principles.
- Automated access and role provisioning across multiple internal products, reducing permission acquisition time from 3–5 days to 1 day and fully replacing legacy ticketing processes.
- Achieved strong adoption metrics: 1,000 daily active users, 6,300 monthly active users, processing over 160,000 access orders, 85,000 ABC orders, and 5,000 system creation/edit orders in roughly 6 months, with an NPS of 4.8, demonstrating successful product performance acceleration and broad user engagement.

10/2021 – 12/2022
Moscow, Russia

Full-Stack / Software Engineer **VK.company**

- Developed and maintained an Intranet project, fixing bugs, writing unit tests, and adding new features to improve system reliability and user experience.
- Integrated Next.js into an existing Django project, enhancing the front-end architecture as part of the Corp project's incremental modernization.
- Contributed to backend improvements using Django and PostgreSQL, supporting data integrity and efficient API responses.



Experience

06/2019 – 10/2021
Moscow, Russia

Founder SafeWay.app

- Engineered a robust backend architecture using Flask, Docker, and PostgreSQL to ensure scalable and reliable app functionality.
- Developed user-friendly mobile applications for Android and iOS with React Native and Expo, delivering seamless and intuitive user experiences.
- Designed and implemented a Next.js landing page to boost web presence and user engagement.
- Directed overall business strategy, including creating a business plan, managing SEO and marketing efforts to broaden audience reach.
- Led presentations and stakeholder meetings to align product development with market needs.
- Conducted in-field focus group testing to gather user insights, driving continuous product improvement and enhanced user experience.

07/2018 – 12/2018
Moscow, Russia

Frontend / Software Engineer Connectome.ai

- Developed web interfaces and internal markup tools, enhancing user interaction and experience.
- Co-developed the product identity for Etalon.ai, contributing to its successful launch.
- Created an internal UI framework aligned with design specifications, streamlining development workflows and boosting productivity.



Degree

09/2014 – 06/2020
Moscow, Russia

Informatics and computer engineering | Master's degree Bauman Moscow State Technical University



Skills

Python

JavaScript

TypeScript

React

Redux

Webpack

Django

Django REST Framework

Flask

Next.js

ORM

PostgreSQL

Celery

Docker

Git

Rest API

GitLab CI

Code Review

Jira

Mentoring

Interviewing