

Ivan Reznichenko

Python Developer

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KEY SKILLS

Programming

Python, FastAPI, Django, Django REST Framework, SQL, Jinja2, Algorithms

Data

PostgreSQL, Django ORM, SQLAlchemy, Redis, Pydantic, XML

DevOps

Network as Code (NaC), Git, Docker, Ansible, CI/CD, Linux, Jira

Networks

F5, Nginx, Citrix, Juniper, Cisco, Huawei, FortiGate, Checkpoint, PaloAlto, BGP, VXLAN, EVPN, MPLS

LANGUAGES

English — B2 (Upper-Intermediate)

Spanish — A1 (Basic)

Russian — Native

Citizenship: Russia

Work permit: Spain

EDUCATION

Master's Degree

Information and Measuring Technology
Novosibirsk State Technical University

TRAINING

Asynchronous Architecture 2023
SIA Software Development & Consulting

System Analysis 2023
SIA Software Development & Consulting

Typing in Python 2022
SIA Software Development & Consulting

Python Developer 2022
Yandex.Practicum

Automation with Ansible I (RH-DO407) 2021
RedHat

Applying DevOps Methods and Tools for Network Engineers (PG-NETDEVOPS) 2020
FastLane (www.fast-lane.ru)

F5: Administering BIG-IP, Configuring BIG-IP LTM, Troubleshooting BIG-IP, Configuring BIG-IP DNS 2020
CompTek (comptek.ru)

Highly qualified engineer and Python developer with solid analytical, problem-solving, and troubleshooting skills having a strong long-term background in networks, firewalls, and network automation. Aimed to develop my skills and competencies in programming. Well-acquainted with the following Python frameworks: **FastAPI, SQLAlchemy, Django, Django REST Framework**. Experienced in **Agile** and **Scrum**.

WORK EXPERIENCE

Python Backend Developer

Softocean GmbH / Remote / Partial-time

09.2023 – present

I took charge of designing and implementing a sophisticated project and task management system.

Utilized: Python 3.11, FastAPI, SQLAlchemy, Redis, Pydantic, PostgreSQL, GitHub Actions, Pytest

Engineered architecture that laid the foundation for seamless system performance.

Developed backend endpoints for optimal functionality, ensuring a smooth user experience.

Implemented unit tests using Pytest, guaranteeing the reliability and stability of the entire system.

Integrated GitHub Actions for seamless automation: linting, testing and deliver.

Python developer

Breaking Barriers (non-profit organization) / Remote / Partial-time

01.2023 – 08.2023

Developed a backend for the non-profit organization "Breaking Barriers" as part of the Yandex Practicum Workshop.

Utilized: Python 3.10, FastAPI, SQLAlchemy, Pydantic, Alembic, python-telegram-bot, PostgreSQL

GitHub: https://github.com/Studio-Yandex-Practicum/lomaya_baryery_backend/

Refactored the error-raising and -handling system. This allows us to write more robust code.

Created reporting system — developed the generation reports in MS Excel format utilizing the openpyxl Python library according to customer needs.

Developed new features and fixed bugs.

Backend developer (Python)

Yandex.Practicum WorkShop / Remote / Partial-time

06.2023 – 06.2023

Cross-functional **hackathon** organized by Yandex.Market aimed to develop a web service to choose appropriate packaging sizes based on cargo dimensions by creating an ML library and API with a user-friendly interface.

Utilized: Python 3.10, FastAPI, SQLAlchemy, Pydantic, Alembic, PostgreSQL

GitHub: <https://github.com/ivr42/hackathon-yandex-202306>

Defined a bounded context, divided it into services, and chose an architectural style to develop the solution.

Created the schema for the database.

Worked closely with the frontend team to develop a packaging and reporting service.

Completed all DevOps tasks for the project, including setting up container assembly for ML, frontend, and backend, deploying to the server, and creating Nginx routing.

I delegated and allocated tasks to the backend team.

Senior Network Engineer

Rostelecom Data Centers / Russia / Full-time

11.2014 – 08.2022

Developed a **data center network automation** solution (Python, netmiko, YAML as a source of truth; switches: Huawei)

Developed a **solution for a Source of Truth** based on Netbox, made configuration data loading from network equipment (Python, Django, netmiko, TextFSM, lxml; switches/routers: Juniper, Huawei, Cisco)

Developed **security policy migration tool** for swapping PaloAlto and ForcePoint firewall clusters to Fortigate - (Python, lxml, requests)

Made **network architecture** and implemented **distributed data centers** (Huawei, Juniper, Cisco, VXLAN EVPN, BGP underlay and overlay, segment/end-to-end VXLAN on DCI)

Developed a solution for **Local Balancing** and **GSLB** for distributed data centers (F5)

Carried out **functional and performance testing** of **new network equipment**: firewalls, switches, and routers. Developed testing procedures and test environments, and reports were published.

Regularly trained colleagues as an expert on technologies and products (FortiGate firewalls, MPLS, VXLAN EVPN, BGP)

Mentored two junior network engineers and trained them to work independently.