

Ivan Reznichenko

Python Developer

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LinkedIn: <https://linkedin.com/in/ivr42/>

GitHub: <https://github.com/ivr42>

Citizenship: Russia

Work permit: Spain

KEY SKILLS

Programming

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

Data

PostgreSQL, Django ORM, SQLAlchemy, 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

EDUCATION

Master's Degree

Information and Measuring Technology
Novosibirsk State Technical University

TRAINING

System Analysis

SIA Software Development & Consulting

Typing in Python

SIA Software Development & Consulting

Python Developer

Yandex.Practicum

Automation with Ansible I (RH-DO407)

RedHat

Applying DevOps Methods and Tools for Network Engineers (PG-NETDEVOPS)

FastLane (www.fast-lane.ru)

F5: Administering BIG-IP, Configuring BIG-IP LTM, Troubleshooting BIG-IP, Configuring BIG-IP DNS

CompTek (comptek.ru)

Highly qualified engineer and entry-level 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 developer

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

01.2023 — present

Developing a backend for the non-profit organization "Breaking Barriers" as part of the Yandex Practicum Workshop: new features, refactoring, fixing bugs.

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.

Fixed bugs and developed new features using the Boy Scouting Rule —left the code a little bit better than I'd found it.

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 size 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 using a layered architecture style.

I 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 toward the backend.

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.

Senior Network Engineer

Siberian Branch of OJSC "MegaFon" / Russia / Full-time

11.2006 — 11.2014

Initiated and launched commercial data center services: technical feasibility assessment, commercial profitability estimation, obtained HQ Investment Committee approval for implementation

Built and operated enterprise data center networks (Cisco Nexus, ASR9k, FabricPath)

Launched and operated broadband solutions for b2b customers on top of the enterprise network

Built and operated a Siberian-wide enterprise network (Cisco, MPLS, EIGRP, MPBGP)