

# Andrey Zelentsov

Software developer | Network Engineer

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- **3 years of experience** in maintaining large ISP and enterprise networks.
- Experience in writing **Python** automation scripts for network and linux servers and **Django** apps.

**CCNP** ✎ (Enterprise), **CCS** ✎ (ENARSI), **CCS** ✎ (ENCOR), **CCNA** ✎ , **JNCIA** ✎ , **Linux LE-1** ✎

## SKILLS

### Developer stack

- Python 2.x/3.x
- Django
- SQLAlchemy
- BeautifulSoup
- Selenium
- BASH
- Docker
- GrayLog
- Zabbix
- Git
- GitLab
- Jira
- Confluence

### Network protocols

- BGP
- OSPF
- IPsec
- GRE
- ERPS
- STP
- MSTP
- EtherChannel/LAG
- MLAG
- HSRP
- VRRP
- PBR
- MPLS L2/L3 VPNs
- RSVP
- NAT
- DHCP
- TFTP
- DNS
- NTP

### Network devices

- Juniper routers MX
- Juniper EX series switches
- Cisco ASR(1k)/switches
- Arista switches
- Mellanox switches - Cumulus
- Palo Alto Firewalls
- Stonegate Firewalls

## PROFESSIONAL EXPERIENCE

### Network Automation Engineer, QIWI ✎

August 2021 – present

#### Accomplishments:

- Instead of a confluence page, I proposed to develop a netbox plugin on Django with REST API. I wrote it on my own and migrated all data there.
- I migrated 2500+ IP addresses from Rack tables to Netbox via REST API and python for three days.
- I created a backup system of network device configs using Multiprocessing, paramiko, and scrapli. For VCS, it uses GIT. Decreased backup time of 300+ devices from 60 minutes to 50 seconds.
- Created a Telegram bot with python for network automation purposes. Reduced spending time on routine tasks by 80%

### NOC Engineer, NAUKA ✎

May 2020 – August 2021

#### Accomplishments:

- I created a script that allows my colleagues and me in automatic mode to push proper configuration to make client services (BGP peering, L2/L3 MPLS VPN).
- I am migrating from broadcast OSPF to P2P OSPF without outages to mitigate network-type LSAs.
- Maintenance of project with 10 WI-FI areas with core, traffic mirroring, and wi-fi controllers.
- I investigated and fixed security vulnerabilities on 30+ old Cisco routers.

## EDUCATION

### Bachelor, Informatics and computer engineering,

Tomsk State University of Control Systems and Radioelectronics ✎  
2022 – present

### Bachelor, Computer Systems Networking and Telecommunications,

Moscow Technical University of Communications and Informatics ✎  
2019 – 2023 | Moscow, Russia

### Technician, Computer networks and switching systems,

College of Telecommunication MTUCI  
2014 – 2018 | Moscow, Russia

**English** (C1), **German** (Goethe B1), **Russian** (Native)