



# NIKOLAY MAMASHIN

Network Engineer | Linux Administrator | DevOps

## Languages

Russian      ■■■■■  
English      ■■■■□

## Technical skills

WAN & LAN      ■■■■■  
VoIP      ■■■■□  
Unix based OS      ■■■■□  
SQL & NoSQL Databases.      ■■■■□  
Python      ■■■■□  
IoT      ■■■■□  
Virtualization      ■■■■□  
Clouds      ■■■■□

## Contacts

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

LinkedIn:  
<https://www.linkedin.com/in/nikolai-mamashin/>

Strava:  
<https://www.strava.com/athletes/22262511>

## \$cat summary.txt

With 20+ years of experience as a network engineer and Linux system administrator. Deep technical background. I have a thorough understanding of all aspects of full-stack software development. Interested in projects requiring technical skills, research & development projects.

## \$cat skills.txt

- \* I have been using **Linux** for over 20 years.
- \* Build small and big networks with Cisco, Juniper, Ubiquiti, MikroTik and other network equipment
- \* I know what **OSPF**, **BGP**, **DHCP**, **DNS**, **DoH** are and how they work
- \* And of course, I know **Docker**, **GIT**, CI/CD
- \* I know the difference between **SIP** and **H.323**. I choose SIP and Asterisk
- \* Any local network problem can be solved with **tcpdump**
- \* All processes should be monitored, I like **Zabbix** and **Grafana**. I also know how **Prometheus** works
- \* Two words about virtualization - **XEN** and **VMware**
- \* For my custom solutions I use **Python** and **Django** or **FastAPI** frameworks

## \$cat experience.txt

### Senior Network Engineer. ISP Sochi-Online. 2019-present

- communicate directly with customers to identify their needs and help them meet their expectations
- ensure that the day-to-day operations of the business run smoothly, and project milestones are met

### Network Administrator. Asteros Group (Winter Olympic Games 2014) 01.2014-03.2014

- managing and troubleshooting campus area network (CAN) based on Avaya (ex. Nortel Networks) equipment
- monitor system health to ensure a stable operating environment based on Zabbix, Cacti and NOC Project

### Network Engineer. ISP Sochi-Online. 2000-2018

- support and development core fiber optic and wireless networks
- telephony network (VoIP and E1 G.703)
- monitoring and alarm system (Zabbix, Cacti)
- support and development of own billing system for our clients (Python & Django)
- interaction with our upstream service provider partners

### Network Administrator. Internet club UNREAL. 1998-2000

- development, deploying and maintenance LAN
- support LAMP and games (Quake, Half-Life & etc.) servers on Linux Debian

### IT Engineer. Sochi City Hospital 2. 1996-1997

- create and maintain a local area network (10BASE-2, BNC coaxial)
- support RedHat Linux with SAMBA services (file sharing server)
- web programming (perl)

## \$cat education.txt

Electronic computers, systems and networks  
Kasnodar College of Electronic Instrumentation