

## Contact

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Malaga, Spain

### Links

forthope.me

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## Education

2003 - 2008

### Master of Computer Science

Moscow State University of

Economics, Statistics and Informatics

## Skills

- AWS
- Terraform
- Kubernetes
- Helm
- Docker
- Linux
- Jenkins (groovy)
- Gitlab CI
- Ansible
- Elastic Stack
- Prometheus
- Grafana
- PostgreSQL
- Bash / Python
- SCM (Git)

## Certification

- AWS Certified Solutions Architect - Associate
- AWS Certified Developer - Associate
- AWS Certified Cloud Practitioner
- HashiCorp Certified: Terraform Associate
- CKA: Certified Kubernetes Administrator
- LFC131: Green Software for Practitioners
- LFC108: Cybersecurity Essentials
- LFS169: Introduction to GitOps
- MCSA: Windows Server 2016

## Language

English

Russian

# Sergei Afanassenko

## Senior DevOps/Cloud Engineer

Experienced Systems Engineer with over 15 years in designing and maintaining robust solutions across AWS Cloud and Linux. Skilled in building efficient CI/CD pipelines and automation. Applied core DevOps concepts specialising in CI/CD and Infrastructure-as-Code. Proficient in using AWS Cloud and Linux performance optimization and possess fundamental network knowledge. Effective communicator, detail-oriented, flexible, open to suggestions, and quick to learn new technologies.

## Experience

### 2021 - Till Now

EPAM Systems | Malaga, Spain

#### Senior Systems Engineer

Back-end Services for Connectivity Applications, based on microservice architecture (on AWS). Consumed by mobile/web applications and other back-end platforms.

- Applied and managed CI/CD project infrastructure (Jenkins) with Helm and Terraform.
- Created scripted pipelines for Jenkins and Groovy functions for its shared library.
- Described the infrastructure as code (Terraform/Terragrunt) for centralized management, easier scaling and disaster recovery.
- Developed automation scripts (Python, Bash) to make the ops team work faster and systematically.
- Updated Jenkins and the Jenkins configuration (JCasc).
- Participated in on-call rotation and production releases.
- Involved in backlog refinement and in charge of sprint management (replaced the lead engineer during his vacation).
- Mentored and supported teammates.
- Participated in candidate screening and project interviews.
- Supported development streams of a project to solve troubleshooting issues within dev and prod environments to achieve delivery goals.

**Skills:** AWS, K8s, Terraform, Terragrunt, Jenkins, Groovy, Git, Python, Prometheus, Grafana, PostgreSQL, Bitbucket, Artifactory, Kafka, ELK.

### 2020 - 2021

PJSC "Bank Otkrytie Financial Corporation" | Moscow, Russia

#### DevOps / Infrastructure Engineer

Marketplace for buying and selling cars.

- Created on-premise DevOps infrastructure from scratch.
- Migrated standalone services to Docker/Kubernetes causing a 15% maintenance cost reduction.
- Designed and maintained automated CI/CD pipelines for code deployment to Kubernetes using GitLab in dev/stage/prod environments.
- Testing environments have been provisioned using Terraform/Ansible.
- Implemented monitoring and log analyzing solutions with Prometheus/Grafana and Elasticsearch/Kibana.

**Skills:** Kubernetes, Gitlab, Gitlab CI, Ansible (AWX), Terraform, ELK, Sonatype Nexus, Prometheus/Grafana, HashiCorp Vault, SonarQube, Sentry, Minio

### 2019 - 2020

PJSC SIBUR HOLDING | Moscow, Russia

#### Senior Systems Administrator

Infrastructure services migration.

- Implemented and configured highly available solutions for infrastructure services (VMware vSphere DRS, File server on Failover Cluster Instances, DHCP Failover, SQL on Failover Cluster Instances) to increase service availability.
- Migrated DHCP (60 scopes, 7000+ records) to new deployment with zero-time downtime improved service quality and reliability.
- Implemented automation with PowerShell scripts which replaced a lot of manual actions and decreased task execution time.

**Skills:** AD DS/GP, SCCM, DHCP Failover, Exchange 2016, RDS, FS

## 2013 - 2019

PJSC Siberian Generating Company | Moscow, Russia

### Senior Systems Administrator

Infrastructure migration and automatization.

- Migrated ~12000 users and mailboxes to a new Active Directory domain.
- Designed and implemented SCCM 2012 solution to support Company's Windows 7 workstations. This solution utilizes all features of SCCM including Application Management, Software Updates, OSD, SW/HW inventory, Asset Intelligence, Endpoint protection and Compliance modules.
- Migrated Microsoft file storage server to EMC Isilon storage with zero-time downtime improved service quality and reliability.
- Upgraded Microsoft Active Directory infrastructure from 2008R2 to 2012R2 and then to 2016.

**Skills:** AD DS/GP, MS SQL Server 2008-2016, MS SCCM 2012R2 / Current branch (OS / Application deployment, App-V, DCM, Reports, Endpoint Protection, Software updates)

## 2011 - 2013

JSC ER-TELECOM HOLDING | Krasnoyarsk, Russia

### Senior Systems Administrator

- IT Support for the Krasnoyarsk branch of the Company.
  - Implemented Cacti monitoring system for servers, network equipment and printers.

**Skills:** AD DS/Group Policy, Microsoft Exchange 2007, ISA Server 2006, Forefront TMG 2010, Landesk Management Suite

## 2008 - 2011

JSC 'HLADKO' | Krasnoyarsk, Russia

### Systems Administrator

- IT support of the Company.
- Migrated the company's IT infrastructure to Open Source software, which reduced costs by 85%.
- Migrated 1C database from Microsoft SQL Server to PostgreSQL.

**Skills:** Linux Terminal Server, Squid.