

# KULAKOV NIKITA VASILYEVICH



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## ABOUT

Specialist with deep knowledge of GNU/Linux and practical experience in infrastructure automation. Prefers a thorough understanding of technological principles for precise configuration and effective application. Focused on advancing in DevOps through the design and maintenance of resilient and efficient infrastructure.

## EDUCATION

**ITMO** Saint Petersburg, 2026  
*Master's Degree in System and Application Software* 5.00/5.00

**ITMO** Saint Petersburg, 2024  
*Bachelor's Degree in Computer Science and Engineering - Distributed systems and computing* 4.92/5.00

## SKILLS

**Stack:** Linux, Ansible, Terraform, Docker Swarm, Kubernetes, Prometheus, Grafana, ELK, GitHub/GitLab CI/CD, Jenkins, Kafka, RabbitMQ, PostgreSQL, MongoDB, Redis, Nginx, Wireguard, KVM, Make, CMake

**Languages:** Python, Go, Bash, SQL, C/C++, Java (Spring Cloud, Micronaut), JS/TS, Rust, Protobuf

**Foreign languages:** Russian - Native, English - B2

## EXPERIENCE

**Bluster Wind** September 2023 - February 2024

Development of a social network for conducting surveys and visualizing results.

- Containerized backend and auxiliary applications using Docker, set up image storage in a private Docker Registry.
- Implemented CI/CD pipelines in GitHub Actions with self-hosted runners for automated testing, building, releasing, and deployment.
- Configured a TLS reverse proxy based on Nginx for secure service access.
- Automated infrastructure deployment using Ansible and Terraform.

## PROJECTS

**HeatBill** March 2025 - May 2025

A high-load IoT system for phased heat consumption metering in apartment buildings.

- Developed Ansible roles and playbooks for scalable Docker Swarm application deployment.
- Implemented centralized log collection to ELK via Filebeat, metrics to Prometheus, dashboards in Grafana.
- Configured MongoDB sharding and replication, Prometheus discovery, and Nginx load balancing via Consul.

**ME Storage** February 2025 - April 2025

A virtual item storage system.

- Developed modular Terraform configuration for KVM-based virtual machine provisioning.
- Configured Jenkins pipeline for build, SonarQube code quality analysis, and Ansible deployment.
- Created Ansible roles and playbooks for Ubuntu server configuration, multi-node kubeadm cluster deployment, RBAC setup, and application deployment.
- Implemented automated deployment of SonarQube, Prometheus, Grafana outside the cluster and created RBAC policy allowing Prometheus to collect service metrics via Kubernetes API.

**Road Condition Monitoring** February 2024 - June 2024

A road surface condition monitoring system using drivers' mobile devices.

- Configured CI/CD pipelines in GitHub Actions for APK builds and Go/Python server container deployment.
- Implemented Kafka-centric architecture with MQTT Kafka Connector for horizontal scaling.
- Increased system throughput through batch inserts to ClickHouse.