

# Aleksandr Zychkov

## Senior DevOps / Platform Engineer · Tech Lead

Kubernetes (EKS, GKE, bare-metal) · GitOps (FluxCD, Argo CD) · Terraform / Terragrunt · Istio · Vault · AWS / GCP · Prometheus / Grafana / OpenTelemetry · Blockchain (validator & full nodes) · AI-assisted automation · Docker · Python / Bash · Linux

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· Remote

### // SUMMARY

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I have broad experience across IT, and what I enjoy most is mastering new technologies and bringing specialists from different areas together toward a common goal. I love understanding how things really work — so even when I'm leading, I dive deeper into the processes instead of stepping back, because that's what keeps me an engineer. I always make room to work hands-on; it's how I stay genuinely close to the technology. I optimize and automate processes and build infrastructure with the future in mind — with security front and center, thinking risks through in advance, because in today's world we're all more exposed than ever.

### // CORE SKILLS

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<b>Cloud</b>	AWS, GCP, Azure, Yandex Cloud, Hetzner, DigitalOcean
<b>Kubernetes</b>	EKS, GKE, DOKS, Bare-metal, Istio, NGINX Ingress, Helm, Helmfile, Helmwave
<b>GitOps &amp; IaC</b>	FluxCD, Argo CD, Terraform, Terragrunt, Ansible
<b>CI/CD</b>	GitLab CI, Jenkins, Docker, Git, Bitbucket
<b>Observability</b>	Prometheus, Grafana, VictoriaMetrics, OpenTelemetry, Loki, Elastic Stack (ELK), Fluentd, Zabbix
<b>Security</b>	HashiCorp Vault, Keycloak, mTLS, RBAC, pfSense, OPNsense, AD / GPO
<b>Data &amp; Msg</b>	PostgreSQL, MySQL, Microsoft SQL, Redis, Apache Kafka
<b>Languages</b>	Python, Bash, PowerShell, HCL
<b>Virtualization</b>	VMware vSphere / ESXi, SCCM

### // EXPERIENCE

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#### DevOps Tech Lead

Sep 2024 – Present

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- ▶ Develop and implement CI/CD strategies, ensuring code quality and applying Infrastructure as Code (IaC) principles
- ▶ Design, create, and maintain GitOps workflows in multi-cluster Kubernetes environments with automated deployments and configuration drift detection
- ▶ Implement comprehensive security measures across all environments, collaborating with the security team to review and apply best practices
- ▶ Develop and maintain a secrets management system integrated with Kubernetes, avoiding storage of passwords and sensitive data in code
- ▶ Manage a DevOps team, conduct technical reviews, implement best practices, and provide 24/7 support for critical infrastructure
- ▶ Plan and execute infrastructure migrations and upgrades with minimal downtime
- ▶ Automate build, testing, and deployment processes to increase delivery speed and reliability
- ▶ Design and maintain enterprise monitoring and observability stacks (Prometheus, Grafana, custom alerting rules) for proactive issue detection and resolution
- ▶ Develop scripts to automate operational tasks
- ▶ Mentor and train team members at all levels, fostering skill development, knowledge sharing, and professional growth
- ▶ Troubleshoot and resolve technical issues in production and non-production environments
- ▶ Provide deployment and incident response support, including off-hours coverage

- ▶ Analyze existing processes and standards, proposing improvements to enhance performance and efficiency
- ▶ Manage infrastructure for blockchain systems — deployment, monitoring, upgrades, and performance tuning of validator and full nodes

## Senior DevOps Engineer

Feb 2023 – Sep 2024 · 1y 8m

Nwtn.io · Remote

- ▶ Delivery support from receipt to implementation in the industrial environment (configuration management, deployment, troubleshooting)
- ▶ Development and support of the CI/CD process for the developed products
- ▶ Development of pipelines that provide continuous, secure delivery of changes to the industrial environment without downtime in user service
- ▶ Creation and development of integrations between key systems that manage changes and communicate with users — GitLab, Jira, Keycloak — as part of the CI/CD processes
- ▶ Setting up highly available and highly loaded systems; ensuring the smooth operation of infrastructure and services
- ▶ Creating and optimizing Helm charts to simplify and automate the deployment, configuration, and management of applications in Kubernetes, adhering to best practices for security and scalability
- ▶ Developing Ansible roles to automate configuration, management, and deployment tasks, ensuring increased efficiency and consistency across environments
- ▶ Designing and maintaining Terraform modules for efficient Infrastructure as Code (IaC) management, standardizing and automating resource deployment in cloud environments
- ▶ Configuring and managing monitoring and logging using the Elastic Stack (ELK), Loki for log aggregation, Prometheus, and Grafana

**Skills:** DevOps · CI/CD · GitLab CI · Argo CD · Ansible · Kubernetes · Helm · Helmfile · Helmwave · Terraform · Yandex Cloud · PostgreSQL · Kafka · Nginx · Elastic Stack (ELK) · Prometheus · Grafana · Linux · Redis · Fluentd · VictoriaMetrics · Keycloak · Python

## SearchInform

15y 3m · Minsk, Belarus

### Lead System Administrator / DevOps

May 2017 – Jun 2022 · 5y 2m

- ▶ Deployed and administered CI/CD platforms, automating delivery processes (GitLab CI, Jenkins, Ansible)
- ▶ Worked with Docker (Dockerfile, docker build, docker-compose) and orchestration of Kubernetes applications (GKE, EKS, DOKS)
- ▶ Ensured uninterrupted and stable work of the company's distributed IT infrastructure
- ▶ Infrastructure code design (Terraform, Ansible)
- ▶ Design and implementation of security policies for employees of different departments
- ▶ Active interaction with development, testing, and support teams
- ▶ Management of a team of 4 system administrators: task setting and decomposition, monitoring of implementation, motivation; recruiting employees
- ▶ Scripting (Bash, PowerShell); administration of Windows and Linux instances (Ubuntu, Nginx, IIS, AD, GPO, DNS, Exchange)
- ▶ Working with repositories (Git, Bitbucket) and JIRA project management systems
- ▶ Building Docker containers and packages for Windows and Linux
- ▶ Implementation of system monitoring tools (Prometheus, Zabbix, Grafana)
- ▶ Resource management in Azure and on-premises ESXi systems; participation in the corporate product testing process

### Implemented projects

- ▶ Full migration of the company's main data center to another region (AWS, Azure, VMware)
- ▶ Design and implementation of virtual workplaces (VDI); organization of a company training center
- ▶ Implementation of a ticket system for handling end-user problems
- ▶ Design and implementation of infrastructures for software testing and development departments (VMware vSphere / GCP, AWS, Azure, Yandex Cloud / Docker / Linux)
- ▶ Monitoring and metrics based on Zabbix

**Worked with:** GCP, AWS, Azure, DigitalOcean, Terraform, GitLab CI, Jenkins, Ansible, Docker, Git, Zabbix, Grafana, Prometheus, Nginx, Bash, GitHub, VMware, Windows 9x-2019, Linux (CentOS, Debian, Ubuntu), Microsoft Exchange 2003-2019, Microsoft SQL, PostgreSQL, MySQL, AD, SCCM, pfSense, OPNsense

### Senior System Administrator

Jan 2012 – May 2017 · 5y 5m

- ▶ Company infrastructure management — network hardware, 60+ physical servers (Supermicro, HP, Dell, and others)
- ▶ Management and configuration of Linux and Windows servers
- ▶ Local networks design; design and implementation of the access-control system
- ▶ Company IT infrastructure monitoring
- ▶ Design and building of the company VPN network
- ▶ Providing fail-safe company services 24/7

### Senior Technical Support Engineer

Jan 2009 – Jan 2012 · 3y 1m

- ▶ Management of the technical support department
- ▶ Providing close interaction between technical support and the software testing and development departments
- ▶ Monitoring of each stage of the task and deadlines

### Technical Support Engineer / Desktop Support Engineer

Apr 2007 – Jan 2009 · 1y 10m

- ▶ Client technical support; software installation for the company's clients; resolving clients' problems

### Junior System Administrator

Oct 2006 – Apr 2007 · 7m

Prof+ · Minsk, Belarus

- ▶ Installation and configuration of Windows and the company's specialized software
- ▶ User technical support; preparing workplaces in the company's new offices

## // EDUCATION

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### Belarusian State University of Informatics and Radioelectronics

Methods and means of technical and cryptographic information protection · 2012

## // LANGUAGES

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English – **Technical reading & writing: fluent** · Spoken: basic conversational, actively improving

Russian – **Native / Bilingual** · Belarusian – **Native / Bilingual**