

# BUGREEV ANTON

## DevOps/MLOps Engineer

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📍 Belgrade, Serbia | 📞 +381 621 924 980 | ✉ [bugreev.anton@gmail.com](mailto:bugreev.anton@gmail.com) | 💬  
[t.me/vukor](https://t.me/vukor) | 💻 [github.com/vukor](https://github.com/vukor) | 🔗 [linkedin.com/in/vukor](https://linkedin.com/in/vukor)

## ABOUT

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DevOps/MLOps engineer with 10+ years of experience designing, automating, and scaling infrastructure for machine learning platforms and mission-critical workloads. Expert in Kubernetes (AWS EKS) migrations, cloud cost optimization, and performance tuning for large-scale ML inference. Proven ability to accelerate deployments, improve operational reliability, and enable data science teams to deliver models efficiently from experimentation to production.

## TECHNOLOGIES AND TOOLS

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- **Cloud Platform:** AWS (EKS, S3, EFS, RDS, ElastiCache, OpenSearch, Batch)
- **Containerization & Orchestration:** Docker, Kubernetes (AWS EKS, Rancher v1/v2)
- **Autoscaling:** Karpenter, KEDA
- **Infrastructure as Code:** Terraform, Ansible
- **CI/CD:** GitHub Actions, GitLab CI, Jenkins, Bamboo, ArgoCD, FluxCD, Helm, Kustomize
- **Monitoring & Observability:** Prometheus, Grafana, New Relic, CloudWatch
- **Logging:** Loki, Fluent Bit
- **Data & ML Pipelines:** Kubeflow Pipelines, Argo Workflows, Metaflow
- **Machine Learning & MLOps:** KServe, Knative, Langfuse, OpenWebUI + LiteLLM + Model Context Protocol (MCP), Label Studio, Weights & Biases
- **Development & Testing:** Python, FastAPI, JupyterHub, , K6 load testing
- **Security & Compliance:** Prisma Cloud, Snyk, Wallarm (HIPAA compliance)
- **DBMS:** PostgreSQL, MySQL, MongoDB, ClickHouse, Redis, Elasticsearch, Vespa

## WORK EXPERIENCE

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### Contract DevOps/MLOps Engineer

Belgrade, Serbia · 2022–Present

- Migrated complex AI/ML infrastructure (Kubeflow Pipelines, JupyterHub, custom applications) from legacy environments to AWS EKS on the company's modern platform, reducing infrastructure costs and enhancing failover recovery capabilities.
- Integrated and tuned Karpenter autoscaling in production ML workloads, ensuring rapid burst capacity during high-volume inference and improving resource utilization efficiency.
- Developed Terraform IaC modules for automated provisioning of AI infrastructure in AWS, standardizing environments and reducing deployment setup time across teams.
- Migrated vector search databases from Vespa to OpenSearch; ran embedding model evaluations to select and deploy a solution that improved vector search accuracy by >15% for critical datasets.
- Automated Argo Workflows for retrieval-augmented generation (RAG) tasks, embedding generation, schema population, k6 load testing, and batch ingestion pipelines, resulting in higher reliability and faster data processing cycles.
- Deployed and managed Langfuse ML engineering platform for centralized prompt management; added LLM API request/response tracing to accelerate debugging and model iteration cycles.
- Contributed to OpenWebUI + LiteLLM + Model Context Protocol (MCP) component development, authoring system prompts and integrating AWS cost insights, GitHub, New Relic, and Prometheus, expanding operational visibility and intelligence for engineering teams.
- Wrote runbooks, incident playbooks, and operational guidelines, improving on-call response efficiency and MTTR for production incidents.

### Quantumsoft - DevOps Engineer

Tomsk, Russia · 2016–2022

#### AI/ML project (2020-2022)

- Designed and operated multi-cluster Kubernetes environments (Rancher v2) supporting 50+ microservices, achieving 99.9% production uptime, and ensuring high-availability for mission-critical workloads.
- Implemented scalable ML model serving with KServe, Knative, and KEDA; tuned autoscaling policies for performance efficiency.

- Developed Terraform modules to standardize provisioning of RDS, S3, Elasticache, EFS, and autoscaling node groups, reducing environment setup time from days to under 1 hour.
- Migrated CI/CD workflows from Jenkins to GitHub Actions, improving build speeds and deployment reliability.

### **Web Project (2016-2020)**

- Automated end-to-end build, test, and deployment workflows using Ansible, Bamboo, and Rancher v1, reducing release time from 4+ hours to under 30 minutes and introducing blue/green deployment strategies to minimize downtime and release risk.
- Refactored monolithic application architecture into containerized microservices; moved workloads from Docker Compose to Rancher-managed orchestration, enhancing scalability and service isolation.
- Developed custom Ansible modules and playbooks for application builds and infrastructure provisioning, improving deployment consistency and reducing manual configuration errors.
- Integrated vulnerability scanning (Prisma, Snyk, Wallarm) to remediate 100+ critical/security CVEs, ensuring compliance with HIPAA PHI handling.

### **Online-media - Hosting System Administrator**

Tomsk, Russia · 2012–2016

- Maintained Linux/FreeBSD servers
- Automated hosting setup with Ansible and Docker for local dev environments

### **WebMedia - Hosting System Administrator (part-time)**

Tomsk, Russia · 2009–2016

- Maintained Linux/FreeBSD systems
- Supported hosting and web/mail/vpn services

### **TOMTEL - Hosting System Administrator**

Tomsk, Russia · 2006–2012

- Maintained Linux servers
- Supported hosting services and customer issues

## EDUCATION

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- Tomsk, Russia · 2001–2006
  - Tomsk University of Control Systems and Radioelectronics
  - Degree in Automated Control Systems, Computer-Aided Design

## CERTIFICATIONS

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- [LPIC-1 / LPIC-2](#)
- [RHCE](#)

## LANGUAGES

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Russian - Native

English - B2 (Upper-Intermediate)

Serbian - A2 (Elementary)