Bugreev Anton

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Summary

Experienced DevOps / MLOps engineer with a strong background in automation, CI/CD, MLOps, and cloud-native infrastructure. Over the past three years, focused on supporting machine learning platforms and optimizing systems for genetic analysis projects. Skilled at building scalable solutions in Kubernetes, improving model performance, and driving cloud migrations. Passionate about bridging the gap between data science and infrastructure.

Professional Experience

Contract DevOps & MLOps Engineer

Belgrade, Serbia · 2022–Present

- Maintained and optimized infrastructure for ML projects focused on genetic analysis in AWS EKS
- Benchmarked embedding models to select the most accurate for our datasets
- Migrated machine learning services to AWS EKS for consistent deployment and management
- Supported Python-based applications (FastAPI + Gunicorn) in Kubernetes.
- Built and maintained a Kubernetes platform with Rancher 2, including GitOps workflow (ArgoCD), and system services (cluster-autoscaler, cert-manager, draino, etc.)

LLC «QuantumSoft» — DevOps Engineer

Tomsk, Russia · 2016–2022

- Supported the decomposition of a monolithic Python/Django application into independent microservices
- Designed container orchestration with Rancher; implemented blue/green deployment for production
- Automated infrastructure and deployment pipelines using Ansible, Bamboo, and Terraform

LLC «Online-media» — Hosting System Administrator

Tomsk, Russia · 2012–2016

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

LLC «WebMedia» — Hosting System Administrator (Part-time)

Tomsk, Russia · 2009–2016

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

LLC «TOMTEL» — System Administrator

Tomsk, Russia · 2006–2012

- Maintained Linux servers
- Supported hosting services and customer issues

Education

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

Certifications

- LPIC-1, LPIC-2 (Linux Professional Institute Certification)
  - URL: https://cs.lpi.org/caf/Xamman/certification/verify/LPI000144160/e49kahbrda

- RHCE (Red Hat Certified Engineer)
  - URL: https://rhtapps.redhat.com/verify?certId=110-319-944

Skills

- **DevOps**: AWS, Terraform, Ansible, Docker, Kubernetes (AWS EKS, Rancher), GitHub Actions, Jenkins, GitLab, Bamboo, ArgoCD, FluxCD, Helm, Kustomize, Prometheus, Grafana, Grafana Loki, Fluent Bit, NewRelic, CloudWatch
- **MLOps:** Kubeflow Pipelines, Argo Workflows, JupyterHub, Label Studio, Weights and Biases
- **Developing & Testing:** Python, FastAPI, K6

Projects

- Built and maintained ML infrastructure in Kubernetes, integrating GitHub Actions, Kubeflow, JupyterHub, and Label Studio to simplify workflows and remove local setup
- Evaluated and benchmarked embedding models to improve vector search quality
- Migrated vector database from Vespa to AWS OpenSearch; tuned similarity thresholds and validated embedding results

- Built a Kubernetes-native stress testing service using k6-operator and Argo Workflows to collect historical performance metrics
- Implemented Infrastructure Automation:
  - https://github.com/vukor/ansible-deploy-web-stack
  - https://github.com/vukor/docker-web-stack

Soft Skills

- Comfortable working in cross-functional teams
- Strong communication with AWS support and other external vendors
- Experienced in knowledge sharing (e.g., Kubernetes deployment, Docker image builds, alerting setup)
- Close collaboration with data scientists and developers
- Conduct technical interviews for DevOps engineer positions

Languages

Russian — Native

English — B2 (Upper-Intermediate)

Serbian - A2 (Elementary)