

Aleksandr Podkolzin

DEVOPS/PLATFORM ENGINEER

XXXXXXX

□ XXXXXX | ✉ XXXXXX | in aleksandr-podkolzin | Languages: English (B2-C1), Russian (Native)

Summary

System and platform engineer at commercial bank with 15 million+ clients. 4+ experience in DevOps and System engineering building and maintaining both small and large high-load infrastructures. Expertise in Linux and Kubernetes distributions.

Work Experience

CB Renaissance Credit, LLC

Moscow, Russia (remote)

SYSTEM/PLATFORM ENGINEER

February 2021 - Present

- Provisioned 3 production-level Openshift cluster (v4.9) complying with Red Hat best practices and 15+ developer teams to migrate from old (v3.11 and v4.5) cluster to new ones, increasing reliability of the platform and speeding up feature integration and deployment by approx. 50%
- Implemented GitOps practices for our team: deployed ArgoCD, reorganized our Git repos with proper structure and templating (kustomize)
- Moved monitoring stack from Prometheus to VictoriaMetrics, reducing resource usage by a factor of 8 and increasing observability of infrastructure and user workload
- Planned and migrated one-node standalone Harbor image registry to a distributed highly-available infrastructure
- Automated and integrated with helpdesk multiple routine tasks with Bash, Python, Ansible and Gitlab CI pipelines, reducing amount of manual tasks by approx. 70%
- Migrated SAN from single target/initiator zoning to peer-zoning configuration, reducing amount of zone per fabric by 95%, simplifying zone configuration management

Stack: Linux, Openshift, Harbor, Helm, Kustomize, Gitlab CI, ArgoCD, Prometheus, VictoriaMetrics, Grafana, Zabbix, Elasticsearch, Fluentd, Logstash, Ansible, Bash, Python, Netapp, PostgreSQL

I.M. Sechenov First Moscow State Medical University

Moscow, Russia

SYSTEM ENGINEER

Oct. 2019 - Jan. 2021

- Deployed small-scale virtual infrastructure moving from existing bare-metal infrastructure, reducing hardware costs by 50%
- Deployed Active Directory services and integrated existing servers (Windows/CentOS) and user workstations into the domain
- Deployed software router and VPN solutions, allowing for remote work during lockdowns
- Helped designing new server and switch rooms and planned hardware relocation with least disruption of services

Stack: Windows, Linux, Bash, Powershell, Active Directory, pfSense, OpenVPN, VMWare, Cisco

Jet Infosystems

Moscow, Russia

DUTY ENGINEER

Sep. 2018 - Sep. 2019

- Monitored performance and state of customers' enterprise-level systems
- Automated routine duty tasks with Python and Bash, reducing amount of manual tasks by 66%
- Conducted 10+ interviews with candidates, helped with on-boarding new colleagues

Stack: Windows, Linux, Bash, Python, BMC Remedy, Brocade, Zabbix

Jet Infosystems

Moscow, Russia

SERVICE ENGINEER INTERN

Jun. 2018 - Aug. 2018

- Participated in relocating multiple customers' hardware to different datacenters
- Learned Linux system administration
- Handled and worked with different hardware - x86/POWER servers, Brocade SAN switches, Cisco network switches, storage systems

Education

RTU MIREA (MIREA - Russian Technological University)

Moscow, Russia

BACHELOR OF SCIENCE WITH HONOURS IN COMPUTER SCIENCE AND ENGINEERING

Sep. 2014 - Jul. 2018

Skills

Containerization Docker, Kubernetes, Openshift, Harbor, Nexus, Helm, Kustomize

Monitoring Prometheus, VictoriaMetrics, Grafana, Zabbix

Logging ELK, Fluentd

System distributions Linux (RHEL/Debian based), Windows

CI/CD Gitlab CI, ArgoCD

Automation/Programming Python, Bash, Go, Ansible