

# Sergey S.

## Senior Senior DevOps/SysOps Engineer

### SUMMARY

- 13 years of experience in IT as DevOps/SysOps - Administering, monitoring, maintaining complex deployments, securing large scale infrastructures, building CI/CD pipelines, supporting networks, servers, dealing with high load workloads - Setting up and managing Kubernetes clusters - Upper-intermediate English - Available ASAP

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	DevOps (13 yr.)
<b>Programming Languages</b>	C (5 yr.), C# (1 yr.), Lua (3 yr.), PHP (3 yr.), Python (2 yr.), Rust (1 yr.)
<b>.NET Platform</b>	Azure (3 yr.)
<b>Databases &amp; Management Systems / ORM</b>	AWS ElasticSearch, MongoDB (3 yr.), MySQL (2 yr.), PostgreSQL (4 yr.), SQLite (3 yr.)
<b>Cloud Platforms, Services &amp; Computing</b>	AWS (4 yr.), Azure (3 yr.), GCP (4 yr.)
<b>Amazon Web Services</b>	AWS ElasticSearch
<b>Message/Queue/Task Brokers</b>	Apache ActiveMQ
<b>QA, Test Automation, Security</b>	Apache Maven
<b>Web/App Servers, Middleware</b>	Apache Tomcat, Jetty, LAMP (7 yr.)
<b>Collaboration, Task &amp; Issue Tracking</b>	Atlassian Confluence, Jira
<b>Scripting and Command Line Interfaces</b>	Bash, Perl (8 yr.), Shell Scripts (9 yr.)
<b>Version Control</b>	BitBucket, Git (7 yr.), GitLab, SVN (5 yr.)
<b>Deployment, CI/CD &amp; Administration</b>	CI/CD, DevOps (13 yr.), SonarQube
<b>Operating Systems</b>	FreeBSD (6 yr.), Linux (8 yr.), Unix (8 yr.)
<b>Mail / Network Protocols / Data transfer</b>	Kerberos

<b>Virtualization, Containers and Orchestration</b>	Kubernetes, VmWare, XEN
<b>Other Technical Skills</b>	Cisco IOS (3 yr.), groovyscript, OpenWrt (3 yr.)

## PROJECTS

### Senior DevOps, TeeVid – video conferencing platform

2016 - now

#### Responsibilities:

- CI/CD: Jenkins setup and maintenance
- Databases: MongoDB
- Containerization: docker, docker-compose (organizing complex deployments as package of services with shell scripting)
- Setting up and managing Kubernetes clusters
- Monitoring: graylog, ackuaria, prometheus, grafana, homer
- Other: integrating nginx with lua for jwt token verification inside nginx config (with lua code and modules), sonarcube, implementing separate code checks to verify against CVE, Elasticsearch, SIP servers (drachtio, kamailio)

### Senior DevOps, comcube – ERP system

2016 - now

#### Responsibilities:

- IDP systems setup: shibboleth, CA (integrating with AD and LDAP, implementing non password auth in browser inside AD), Kerberos.
- Mail: integrating all the modern checks (e.g. DKIM, SPF), integrating PostgreSQL with AD
- CI/CD: Jenkins setup and maintenance
- Virtualization: Xen (administration, patching the kernel to fix CVE issue (mealtdown), migrations between versions), VMware
- Containerization: docker, docker-compose, docker-swarm (usual administration, most of the images self-built)
- Setting up NewRelic
- Logging: graylog
- Databases: PostgreSQL (including optimization complex queries), MongoDB, MySQL
- Other: Apache syncope (sync users between AD and PostgreSQL with the help of groovyscript), Maven (building), Tomcat, jetty, Atlassian services (Jira, Bitbucket, Crowd, Confluence), Artifactory (administering, migrating between versions), tuning JVM for tomcat jetty and applications, Sonarqube,
- ActiveMQ, shell, python, perl, groovyscript, elasticsearch

### Senior DevOps, Sequencing – genome processing startup

2016 - now

#### Responsibilities:

- Administering network infrastructure of 20+ Ubuntu/CentOS nodes running various software (mostly Java). Setting monitoring, backup processes. LVM, soft RAID configuration. Setting up and management of glusterfs installations. Used technologies: Linux, FreeBSD, Perl, Bash scripting, LVM, soft RAID, glusterfs, networking

- Setting up CI/CD pipelines using GitLab

### **System administrator**

2014 - 2016

**Description:** Administering server farm of hosting provider

**Technologies:** Linux, FreeBSD, Perl, Bash scripting, LAMP stack, networking

### **System administrator, developer**

2009 - 2014

**Description:** Network administration, network engineering, security, integrating new technologies, programming, monitoring, surveillance integration and installation, participating in datacentre planning, construction, development

**Technologies:** Linux, FreeBSD, Perl, Bash scripting, PHP, ehll, Python, MySQL, networking, TCP/IP, Cisco IOS.

### **System administrator, developer, Freelance**

Period: 2008 - 2009

**Description:** Various infrastructure support, monitoring, reporting, backup tasks

**Technologies:** Linux, FreeBSD, bash scripting, Perl, iptables/ipfw, Lua, PHP

### **System administrator, developer**

Period: 2007 - 2008

**Description:** Developing special firmware from OpenWRT source

**Technologies:** OpenWRT, Linux, bash scripting, Perl

## **EDUCATION**

### **General education**

1996-2007

