

# Sergei A.

## Expert DevOps Engineer/System Engineer/Solution Architect

### SUMMARY

- DevOps Engineer/System Engineer/Solution Architect with a robust 19-year background in the IT field, particularly in the FMCG, Telecom, and Gaming sectors. - Skilled in Suse, HP/Dell/Supermicro Products, Linux System Administration, Brocade Fibre Switches, and Software Installation. - Strong information technology professional with good interpersonal and communication skills. - Good troubleshooting and analytical skills.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Linux (7 yr.), AWS (5 yr.)
<b>Programming Languages</b>	Python (6 yr.)
<b>Databases &amp; Management Systems / ORM</b>	ELK stack (Elasticsearch, Logstash, Kibana) (1 yr.), PostgreSQL (6 yr.)
<b>Cloud Platforms, Services &amp; Computing</b>	AWS (5 yr.), AWS ACM
<b>Amazon Web Services</b>	AWS ACM, AWS Cloudformation, AWS CloudTrail, AWS CloudWatch, AWS EC2, AWS ECR, AWS Elastic Kubernetes Service (EKS), AWS IAM, AWS Lambda, AWS MSK, AWS RDS (Amazon Relational Database Service), AWS Route 53, AWS S3, AWS VPC
<b>Deployment, CI/CD &amp; Administration</b>	Ansible (6 yr.), ArgoCD (5 yr.)
<b>Mail / Network Protocols / Data transfer</b>	Arista (5 yr.), Cisco Nexus (8 yr.), mrtg (4 yr.)
<b>Collaboration, Task &amp; Issue Tracking</b>	Atlassian Confluence (6 yr.), Jira (6 yr.)
<b>Scripting and Command Line Interfaces</b>	Bash (7 yr.)
<b>Operating Systems</b>	Debian (7 yr.), Linux (7 yr.), RHEL (Red Hat Enterprise Linux) (7 yr.), Ubuntu (7 yr.)
<b>Virtualization, Containers and Orchestration</b>	Docker (6 yr.), Docker Compose (6 yr.), Kubernetes (6 yr.), Proxmox (5 yr.), Terraform (5 yr.), VmWare (5 yr.)
<b>Version Control</b>	Github Actions (5 yr.)
<b>Logging and Monitoring</b>	Grafana (5 yr.), Prometheus (5 yr.), Zabbix (5 yr.)

<b>QA, Test Automation, Security</b>	KMS
<b>Web/App Servers, Middleware</b>	Nginx (6 yr.)
<b>SDK / API and Integrations</b>	ServiceNow API (6 yr.)
<b>Other Technical Skills</b>	CA Spectrum (10 yr.), Cisco IP Telephony/Call Manager (4 yr.), CMDBuild (5 yr.), CommVault (3 yr.), DELL (5 yr.), EMC Clariion (3 yr.), EMC Data Domain (3 yr.), FCoE switches (3 yr.), HP (8 yr.), HP 3par (3 yr.), IBM BMC (4 yr.), IBM TSM (3 yr.), MDS FC (3 yr.), Netbox (5 yr.), SAP Gui (5 yr.), SIP IP Telephony (openser/cisco gateway/softphone) (4 yr.), Solarwinds (6 yr.), Supermicro (5 yr.), SUSE (7 yr.), UNIX - HP-UX (6 yr.)

## WORK EXPERIENCE

### DevOps Engineer, Support application

03.2023 – Present

**Summary:** The project was designed to help AWS users control and optimize costs in the cloud provider. The main feature is solutions to reduce resource consumption by up to 30% of the original, which significantly improves the distribution of infrastructure costs

#### Responsibilities & Achievements:

- Creating Python and Bash scripts to automate routine tasks
- Writing Ansible playbooks to run applications on a batch of servers
- Automating AWS tasks using Ansible improves efficiency and reduces manual errors
- Deploying and managing AWS resources, ensuring that they are secure, scalable, and highly available
- Creating VPC in AWS, Public and Private Subnets, and security groups
- Developing and maintaining backup and disaster recovery procedures for ArgoCD configurations
- Preparing time/cost estimates for AWS infrastructure during presales activities for customers' development requests
- Managing data and object storage for applications using S3
- Deploying monitoring/logging solutions (ELK) and creating dashboards
- Planning and implementing strategies for Nginx web server scalability
- Providing technical support and systems troubleshooting
- Conducting regular tests and drills to ensure the disaster recovery plan is effective and application is prepared
- Implementing monitoring solutions to track the performance and health of the PostgreSQL database
- Managing and maintaining Proxmox Virtual Environment (PVE) clusters, overseeing physical nodes and virtual machines
- Improving current CI/CD pipelines
- Performing Linux administration 3
- Creating and maintaining technical documentation in Jira/Confluence

**Technologies:** AWS(VPC, KMS, ACM, EC2, Lambda, S3, Cloudwatch, Cloudtrail, Route53, MSK, EKS, ECR, RDS, CloudFormation, IAM), Python, Ansible, ElasticSearch, Kibana, Loki, PostgreSQL, Linux, Bash, Nginx, Docker/Docker Compose, Git, ArgoCD, Proxmox

## **Infrastructure Solution Architect, Infrastructure Solution Architecture**

04.2018 – 03.2023

**Summary:** Providing infrastructure services around the world for gaming companies. CDN / Hosting/Cloud services.

### **Responsibilities & Achievements:**

- Collaborating with cross-functional teams to define integration requirements
- Developing and designing infrastructure solutions that meet business requirements, considering factors like scalability, performance, security, and cost-effectiveness
- Creating Server/Network High-Level Design for new Points of Presence
- Integrating ArgoCD into the CI/CD pipeline to automate the deployment of applications
- Setting up monitoring and alerting mechanisms within ArgoCD
- Providing infrastructure management and improvement with Terraform
- Developing deployment plans and timelines
- Ensuring that project architecture aligns with and adheres to relevant architectural standards and best practices
- Analyzing logs and implementing strategies to enhance the responsiveness and efficiency of the Nginx web server
- Minimizing downtime through implementing recovery procedures and performing regular backups of data, configuring settings
- Creating and maintaining KB SOP documentation for newcomers and field DC engineers 4
- Installing and configuring the Zabbix monitoring system
- Setting up Cisco devices for SNMP connectivity configuration
- Designing Dell/Supermicro/HP Servers and Cisco/Arista Network hardware specifications and diversification across suppliers chain
- Collaborating with database administrators to establish and maintain backup and recovery strategies
- Performing presales for VMWare VxRail
- Conducting VMware licensing activities
- Taking part in daily stand-up meetings, sprint planning, sprint review, and sprint retrospective sessions

**Technologies:** AWS (VPC, KMS, ACM, EC2, Lambda, S3, Cloudwatch, Cloudtrail, Route53, MSK, EKS, ECR, RDS, CloudFormation, IAM), HP, Dell, Supermicro, Cisco Nexus, Arista, VMWare, Zabbix, Grafana, Prometheus, Netbox, SAP GUI, Jira/Confluence, CMDBuild, Docker/Docker Compose, Kubernetes(k8s), ArgoCD, Python, Terraform, Ansible, Nginx, PostgreSQL, GitHub Actions

## **DevOps Linux/Unix Infrastructure Support Analyst, International FMCG company**

08.2015 – 04.2018

**Summary:** Operating systems support team (Core Team).



## Responsibilities & Achievements:

- Daily (shifts) L3 operations on Linux/Unix servers
- Providing Linux disk subsystem performance analysis and improvements
- Creating high-level design for cloud solutions on AWS
- Researching and evaluating new technologies, products, and services to identify opportunities for improving the existing infrastructure
- Performing deployment/migration/system server upgrade
- Preparing a system to accept migrated components into a new environment
- Managing rolling and blue/green model deployments for new application versions to the reserve infrastructure
- Conducting CIP and Problem management activities
- Developing training materials and providing ongoing support for users
- Configuring and integrating frontend components with backend systems and databases, ensuring seamless data flow
- Performing software and hardware upgrade activities
- Managing change processes and activities within the specified domain of responsibility
- Provisioning VMware virtual machines
- Automating build processes, running tests, and deploying applications to the Nginx web server
- Maintaining Relax-and-Recover (ReaR) tool
- Setting up, configuring, and maintaining PostgreSQL database instances
- Providing web interface development for ReaR backup vault, KB documentation, and handover to team operation
- Pioneering AWS Cloud adoptions and rollouts in the company

**Technologies:** AWS (VPC, KMS, ACM, EC2, Lambda, S3, Cloudwatch, Cloudtrail, Route53, MSK, EKS, ECR, RDS, CloudFormation, IAM), HP, Linux HA, Bash, HP serviceGuard, SAP Netweaver, UNIX - HP-UX, Linux - SUSE/RHEL, CA Spectrum, PostgreSQL, SolarWinds, Nginx, ServiceNow

## Storage & Backup Infrastructure Support Analyst, International FMCG company

06.2012 – 08.2015

**Summary:** Infrastructure support team (Core Team)

## Responsibilities & Achievements:

- Performing daily (shifts) L3 operations of storage and backup systems
- Optimizing server performance by adjusting hardware settings (e.g., RAID configurations)
- Optimizing operating system settings and monitoring resource usage to identify and resolve performance bottlenecks
- Developing a disaster recovery plan that outlines how the company will respond to different types of disasters (async DB's data replications FCIP cross DC's, DR testing with magnet tapes recall from of site location)
- Analyzing storage/backup incidents
- Performing fulfillment of systems and file recovery requests
- Providing fulfillment of FC SAN Zoning /Storage provisioning for server deployments/systems upgrade
- Performing CIP and Problem management activities; software and hardware upgrade activities
- In charge of Commvault backup solution early adoption



**Technologies:** HP 3par, EMC Clariion, IBM TSM, EMC DataDomain, CommVault, Cisco Nexus and MDS FC and FCoE switches, UNIX - HP-UX, Linux - SUSE/RHEL, Bash, CA Spectrum, SolarWinds, ServiceNow

### **International FMCG company**

03.2008 – 06.2012

#### **Roles:**

- L3 support for Avaya IP telephony
- Deployment ip telephony systems
- Systems rollout template owner
- SIP infrastructure support and service management role
- Call centers life cycle support and consulting

#### **Responsibilities & Achievements:**

- Performing daily (shifts) L3 operations of IP telephony systems (about 12000 users ATW)
- Troubleshooting IP telephony and CallCenter incidents and fulfillment analysis
- Performing CIP and Problem management activities
- Maintaining, managing, administering, and configuring infrastructure-related components, such as CISCO switches, routers
- Providing knowledge management and standard operations procedure management for L1/L2 support
- Performing software and hardware upgrade activities/change management activity in the domain of responsibility

**Technologies:** Avaya IP Telephony, Avaya Call Centers, SIP IP Telephony (openser/cisco gateway/softphone), CA Spectrum, SolarWinds, IBM BMC

### **Network Field Engineer/Pre-Sales engineer, Systems integrator company**

09.2004 – 03.2008

**Summary:** Sales and integration company for network, computers, and telephony/call center systems

#### **Responsibilities & Achievements:**

- Providing pre-sales activity for Cisco and Avaya equipment
- Attending client meetings for technical clarifications & technical presentation
- Identifying the most suitable solution and products, which complete the most optimum economical design alongside meeting the tender requirements and site conditions
- Performing on-site hardware rollout activities
- Providing technical support to customers

**Technologies:** Cisco IP Telephony, Call Manager, Avaya IP Telephony, Avaya CallCenter for SMB (IP office), CA Spectrum, MRTG



## EDUCATION

Computer Science and Software Engineering

## CERTIFICATION

- ITILv3/02444703-0
- 195IE
- ITSM #12825
- CTP #350218
- CCNA(2010 expired)
- HPE Serviceguard for Linux
- Dell EMC
- DataDomain
- System administrator
- HP SAN Essentials
- BTT296H2A Avaya
- IP Office Compact Contact Center

