

Egor Sushkov

Systems Engineer at SPB TV

egor.sushkov@gmail.com

Summary

With industry-specific education and more than 10 years of experience in IT, I have reached the level when my daily work includes business trips around the world, meetings with new enterprise clients, working in a team of high-skilled professionals, and developing projects for hundreds of thousands of end customers. I like to learn new technologies and using them to create new solutions. My mojo is developing fault-tolerant systems and architectures — I know what load balancing and CDNs are, and I have experience in process automation.

I...

- have a lot of experience in Linux administration.
- think a lot about architecture and do PoCs before starting deploy new solutions.
- like interesting and complicated tasks.
- went thru all steps from Junior Systems Administrator Assistant to Systems Engineer, that gave me priceless experience.
- had CCNA and CCNP, so I have strong knowledge of networking concepts. For several years I didn't do "Networking" as specialty, but for sure I can refresh those special knowledge in a couple of month if needed.

Specialties: CentOS, Bash Scripting, Puppet Automation, Zabbix Monitoring.

Knowledge of:

- Linux systems, especially RHEL-Like
- Bash scripting from quick one-line piped commands to hundreds+ lines scripts for automation, monitoring etc
- Puppet with Hiera usage. I like to create unified puppet modules to configure systems from zero without manual touch
- Zabbix monitoring including custom userparameters
- Nginx with virtual servers, caching, proxying
- iptables
- systemd
- MySQL, PostgreSQL. TSQL language
- Git
- Redis, Cassandra
- Docker
- Distributed filesystems (CEPH, GlusterFS, DRBD)
- Nagios, Opsview

- SolusVM
- Seafile, OwnCloud
- RabbitMQ
- Riak-CS
- Named (bind)
- Bacula
- Amazon Web Services
- VMware ESXi
- Cisco, Vyatta
- Network switching and routing

I usually spend my free time teaching students how to drive safely — yes, I'm also driving instructor, that's my hobby.

Experience

Systems Engineer at SPB TV

2013 - Present (4 years)

- * Design, deploy and maintain of IPTV/OTT infrastructure - from the receipt of multimedia content, its preparation, transcoding, segmentation, caching and streaming to customers
- * Building high-load and fault-tolerant solutions, CDNs
- * Direct interaction with the customer, starting from the design of the project and during its operation and development
- * Setting up and maintenance of the necessary environment for frontend and backend parts: Relational databases and noSQL, file storage clusters, queues service, monitoring and backup and other
- * Design and implement custom services, workflow, and API for optimization of current tasks and deploy new services
- * Automation of configuration and deployment process with such systems as a puppet
- * Automation of technical monitoring with alerts and automated recovery protocols launching
- * Continuous analysis of the roots of failure in any chain of the the service, debugging and finding ways to solve them

Systems and Networking Administrator at #####, ###

January 2010 - November 2013 (3 years 11 months)

- Applying virtualization system based on VMware ESXi
- Gain experience with MS SQL Server - a platform choice, designing storage systems, load calculation and optimization of performance in application architecture, and in the HW part
- Implement a comprehensive monitoring system based on zabbix

- Build a network based on Cisco hardware and Linux servers (including the use of NAT, VPN, PBR, SLA and connect to multiple Internet service providers)

Chief Specialist Of Systems Administration Department at ###, ###

January 2009 - January 2010 (1 year 1 month)

- Served dozens of sites in St. Petersburg and region
- Served Active Directory forest and the e-mail system - more than 3,000 users
- Configure distributed file system (DFS)
- Got an integrated experience deploying Microsoft server infrastructure
- Create a virtual infrastructure on ESXi and Hyper-V. Got experience in implementing projects for migrating an existing "iron" server structure on the virtual platform
- Design and served the ISA 2006, Forefront TMG 2010 (together with Linux as a front-end gateway)
- Served in Exchange Server 2003, 2007, 2010, upgraded from 2003 to 2007, 2010 (also in conjunction with Linux as antivirus and anti-spam-front-end mail server)
- Install, configure, and maintain SharePoint portal
- Install and configure Symantec BE, Symantec EPP

Systems Administrator at ### "#####"

January 2007 - January 2009 (2 years 1 month)

- Designed SCS with a complete set of documentation (description, drawings, laying of lines inside buildings and between circuit switching, a list of necessary equipment, costs, etc.)
- Served IT companies (about 100 members) structure, including office equipment, PBX, access control system and client workstations
- Use of Windows Server 2003, Windows XP, CentOS Linux
- Configure client-bank system
- Administer access control and time and attendance
- Set up a centralized anti-virus protection and system update
- Established a corporate mail server with protection against spam and viruses, no commercial solutions (dovecot + postfix + mailscanner + clamav + spamassassin)

Education

Saint Petersburg State Polytechnical University

Master's degree, Computer Systems Networking and Telecommunications, 2007 - 2010

Saint Petersburg State Polytechnical University

Master's Degree, Electrical Engineering Technologies/Technicians, 2001 - 2006

Grade: Engineer

Skills & Expertise

Linux

Networking
MySQL
Git
Streaming Media
CentOS
Bash
Integration
drbd
High Availability
Puppet
VMware
vyatta
bacula
failover
named
lbname
RabbitMQ
PostgreSQL
Nagios
Arduino
OpenHAB
LBDNS
Amazon Web Services (AWS)
Riak-CS
Riak
GlusterFS
Seafile
Shell Scripting
Load Balancing
AMQP
Automation
JIRA
TeamCity
Active Directory
DNS
CDN
ESXi
Cisco
Redis
Zabbix
Fault Tolerance
Docker
JSON
Nginx
Cassandra

Vim
Linux System Administration

Languages

Russian

(Native or bilingual proficiency)

English

(Professional working proficiency)

Projects

Amediateka

January 2014 to Present

Members:Egor Sushkov

SPB TV

February 2013 to Present

Members:Egor Sushkov

Voka

February 2015 to Present

Members:Egor Sushkov

MTS TV

February 2013 to Present

Members:Egor Sushkov

TVA

June 2016 to Present

Members:Egor Sushkov

Egor Sushkov

Systems Engineer at SPB TV

egor.sushkov@gmail.com



1 person has recommended Egor

"I have known Egor for over 4 years since he was first assigned to assist in MENA project's deployments, maintenance and upgrades. We worked together in a close working environment that allowed me to see his full potential and skills, he is a terrific team player, hard worker, highly dedicated, and I trust his judgment implicitly to solve urgent and complicated system and networking issues. It's a pleasure to work with him on daily bases. "

— **Rafed Alisavi**, *Business Development MENA, SPB TV AG*, managed Egor at SPB TV

[Contact Egor on LinkedIn](#)