

ERNESTAS LUKOŠEVIČIUS

Contacts

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Profile

Skilled IT professional with extensive background in Linux, application scalability, high availability, cloud computing, and automation. Experienced in scaling and provisioning systems with thousands of requests per second with 0% downtime. Worked on critical systems for companies like Tesla, Cisco, major banks, social networks, media streaming sites and others. Occasional contributor to open source projects and used to working during Pacific Time Zone office hours.

Core skills

- Web application architecture scaling in cloud and on-premises.
- Docker, Xen, VMware ESXi, and QEMU/KVM with Libvirt.
- Automation and infrastructure management with Puppet, Salt, Ansible, Packer, Vagrant, and Fabric.
- Languages: bash, Go, Python, PHP, and Ruby.
- Makefile and Debian packaging for everything.
- Always eager to go the extra mile, learn more, and do the best thing in the right situation.

Work experience

SameSystem

Retail shop workforce management platform

2014-now
3 years

Server Engineer

- Puppet automation: wrote modules, improved architecture of the master with high availability, r10k, MCollective, ENC, Docker.
- Service and file system high availability using GlusterFS, Ceph, Pacemaker, Corosync and Keepalived for various other services.
- Improved CI test performance 4 times by Dockerizing and offloading Jenkins slaves to Amazon EC2 spot instances.
- Scaled out and managed Jenkins with 100s of nodes and jobs.
- MySQL tweaking, replication, monitoring, backups.
- Upgraded MySQL backup restoring times from 6 h to 30 min.
- Proactive monitoring: Zabbix, Munin, Monit, ELK.
- Resolved other obstacles in development, deployment and scaling.

Otrapuse.lv

Largest dating site in Latvia with 250,000 users

2014-now
3 years

System Administrator (part-time)

- Scaled and improved infrastructure of the site, which was getting up to 4,000 requests per second.
 - Upgraded and redeployed whole infrastructure with Ansible.
 - High availability: DRBD, Keepalived, MongoDB.
 - Monitored with Zabbix, Munin, Monit and custom scripts.
 - Scaled MongoDB sharded replica clusters.
 - HAproxy load balancing, Varnish caching, SSL termination.
 - Log maintenance with Logstash and Kibana (ELK stack).
 - Network analysis and debugging.
 - Raw data recovery from disk dumps.
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2015 1 year	Domino Data Lab Data science platform with clients such as Cisco, Tesla, 8tracks, Mashable, lumosity	DevOps Engineer <ul style="list-style-type: none"> • Deployment architect for AWS and on-premises: Docker, Salt, Terraform. • Containerizing various software and patched software for running it inside containers (e.g. Beaker Notebook). • Made frontend app highly available without losing a single request while deploying. • Moved application deployment from manual labor to Salt. • Helped developers with various operations.
2012-now 4 years	Aciety B2B outsourcing platform	System Administrator (part-time) <ul style="list-style-type: none"> • Amazon EC2 and Microsoft Azure instances. • Automated backups to Amazon Glacier with Python and boto. • Implemented Munin, Zabbix monitoring. • Deployed an efficient development environment on Docker. • Symphony application deployment with Capistrano. • Administered many other applications and web servers. • Technical support for developers.
2013 2 months	Omnitel (TeliaSonera) One of the largest telecommunication companies in the Baltic states	Junior System Administrator (intern) <ul style="list-style-type: none"> • All kinds of Linux/VMware/Solaris administration tasks. • Implemented LIO SCSI Target on Debian. • PKI management. • Root cause analysis of various issues (i.e., kernel traces). • Configured and monitored Cisco devices. • Developed efficient network monitoring for Cacti (PHP and rrd).
2006-2011 5 years	Independent Contractor	System Administrator Setting up and maintaining Linux servers.
2008 11 months	Lietuvos Rytas	Journalist "Kompiuterija" magazine (IT topics targeted to advanced users).

Education

2011-2014	Stockholm School of Economics in Riga	BSc in Economics and Business Studies in English
2007-2011	Kaunas University of Technology Gymnasium	GPA: 9.4/10 Studies in Lithuanian

Other activities and achievements

2009	6th place in the HOSTEX SysAdminDay Taurė 2008 contest for system administrators One of the most competitive IT contests in Lithuania
2007-2011	Author of Versme.net blog (IT topics) +400 articles, +220,000 unique visitors
2007	LEKP keyboard layout developer for Linux Layout is included in the official X.Org upstream