

ERNESTAS LUKOŠEVIČIUS

Contacts

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Profile

Skilled IT professional with extensive background in Kubernetes, Linux, 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 Hostmaker, Tesla, Cisco, banks, social networks, media streaming sites and others. Occasional contributor to open source projects.

Core skills

- Web application architecture scaling in cloud and on-premises
- Kubernetes, Docker, Xen, and QEMU/KVM with Libvirt
- Automation and infrastructure management with Terraform, Puppet, Salt, Ansible, Packer, Vagrant
- Languages: bash, Go, Python, PHP
- Dockerfile, 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

<p>2018-now 2 years</p>	<p>Hostmaker Property management system</p>	<p>Site Reliability Engineer</p> <ul style="list-style-type: none">• Migrated from Elastic Beanstalk and ECS to Kubernetes• Managed all of the infrastructure with Terraform• Implemented IAM and various other AWS security improvements• Infrastructure planning and solution engineering• Reduced time required to setup a new testing environment from hours to 10 minutes• Continuous deployment improvements with CircleCI• Helped developers debug applications and taught Kubernetes
<p>2014-now 6 years</p>	<p>Otrapuse.lv Largest dating site in Latvia with 250,000 users</p>	<p>System Administrator</p> <ul style="list-style-type: none">• Scaled and improved infrastructure of the site, which was getting up to 4,000 backend 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 aggregation with Filebeat, Logstash and Kibana (ELK stack)• Network analysis and debugging• Data recovery from raw disk dumps
<p>2017-2019 3 years</p>	<p>Make IT All Work Technology consulting</p>	<p>Site Reliability Engineer</p> <ul style="list-style-type: none">• Scaled multiple environments to cloud and Kubernetes• Automated deployments with Ansible, Terraform and Packer• Kubernetes stack maintenance: EKS/kops, helm, aws-service-operator, kiam, cert-manager, fluentd, etc.• Reduced AWS costs by 70%• Assisted in developing architecture for sites handling tens of thousands of concurrent sessions with minimum available resources• Infrastructure monitoring with Datadog, Monit and NewRelic

2014-2018 4 years 9 months	SameSystem Retail shop workforce management platform	Server Engineer <ul style="list-style-type: none"> • Bootstrapped Kubernetes clusters on bare-metal servers. • 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 • Accelerated MySQL backup restoring times from 6 h to 30 min • Puppet automation: wrote modules, improved architecture of the master with high availability, r10k, MCollective, ENC, Docker • Proactive monitoring: Zabbix, Munin, Monit, ELK • Developed a very functional chatbot in Go • Resolved obstacles in development, deployment and scaling
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"> • Java application deployment architect for AWS and on-premises: Docker, Salt, Terraform • Containerized various software and made appropriate patches • Made frontend app highly available without losing a single request while deploying • Automated application deployment with Salt • Helped developers with various operations
2012-now 8 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 • Symfony application deployment with Capistrano • Administered many other applications and web servers • Technical support for developers
2013 2 months	Omnitel (Telia) 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 • 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)

Certification

2018	AWS Certified Solutions Architect - Associate 2P9Z55FCJEEEQSCS
2017	Linux Foundation Certified System Administrator LFCS-1700-001297-0100
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