

ERNESTAS LUKOŠEVIČIUS

Contacts

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Lithuania

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

- Proven ability to work autonomously and take leadership when needed
- Scaling web applications in cloud and on-premises
- Kubernetes, Helm/helmfile, Docker, Xen, and QEMU/KVM with Libvirt
- Automation and infrastructure management with Terraform, Terragrunt, Ansible, Packer
- Languages: bash, node, Python, Go
- Always eager to go the extra mile, learn, help a colleague and do the best thing in the right situation

Work experience

TIBCO Software Intelligence company	DevOps Engineer <ul style="list-style-type: none">• Engineered cloud based architecture for enterprise applications• Oversaw development for cloud ready applications• Minor PRs for Spring, node, React applications• Created infrastructure with Terraform, Terragrunt, Atlantis• Helped moving everything to Jenkins (managed as code)• Scaled from scratch on Azure, AWS, and Kubernetes• Wrote helmfile to deploy helm charts on multiple envs• Wrote Lambdas to operate CloudWatch log streams• Automated enterprise deployments with Packer and Ansible
2020-now 2 years	
Hostmaker Property management system	Site Reliability Engineer <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
2018-2020 2 years	
Otrapuse.lv Largest dating site in Latvia with 250,000 users	System Administrator <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, Nomad, Consul and Vault• High availability: DRBD, Keepalived, MongoDB• Monitored with TICK, Prometheus• 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
2014-now 8 years	

2017-2020 3 years	Make IT All Work Technology consulting	Site Reliability Engineer <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 10 years	Aciety B2B outsourcing platform	System Administrator (part-time) <ul style="list-style-type: none"> • AWS EC2, Microsoft Azure and bare-metal 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 • Github Actions for CI
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
