# Virginijus Magelinskas

Senior DevOps Engineer | Cloud & Kubernetes | Distributed Systems
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## PROFESSIONAL SUMMARY

Senior DevOps Engineer and Systems Architect with 15+ years of experience designing, automating, and operating large-scale, distributed, and highly available platforms. Deep expertise in Kubernetes, cloud infrastructure, CI/CD, GitOps (ArgoCD), observability, and infrastructure automation. Proven track record building production-grade platforms for real-time data streaming, microservices, and global delivery systems. Strong AWS and self-managed Kubernetes background, with Azure platform experience (Marketplace, identity, networking) and rapid onboarding to AKS environments.

## CORE SKILLS

**Containers & Orchestration:** Kubernetes, Rancher, Helm, Kustomize, Docker, ArgoCD (GitOps)
**Cloud Platforms:** AWS (EC2, VPC, IAM, Load Balancing), Azure (Marketplace, Identity, Networking, VM Images)
**CI/CD:** GitLab CI, Azure DevOps Pipelines, GitHub Actions
**Infrastructure as Code:** Terraform, Ansible, ARM/Bicep (familiarity)
**Distributed Systems:** NATS, HashiCorp Nomad, Service Discovery, High Availability
**Observability:** Prometheus, Grafana, ELK, InfluxDB, Alerting, SLOs
**Security & Identity:** RBAC, Secrets Management, PKI, OAuth/OIDC concepts, Zero Trust
**Automation & Scripting:** Python, Bash, Shell, Rundeck
**Operating Systems:** Linux (Debian, Ubuntu, RHEL, CentOS, FreeBSD)
**Networking:** TCP/IP, BGP, Anycast, CDN, Segment Routing (SRv6)

## PROFESSIONAL EXPERIENCE

Synternet (formerly Syntropy) — Senior Systems Architect / DevOps Engineer

*Mar 2018 – Present | Remote / Gibraltar*

- Designed and operated a **self-hosted, Rancher-managed Kubernetes platform**, providing secure multi-cluster management, RBAC, GitOps-based delivery (ArgoCD), and lifecycle automation for production workloads.
- Implemented **GitOps workflows using ArgoCD** for declarative application delivery, environment promotion, drift detection, and automated rollback.
- Architected and maintained a **decentralized, distributed data-streaming platform** based on **Kubernetes, HashiCorp Nomad, and NATS**, enabling real-time, fault-tolerant data ingestion and processing.

- Built CI/CD pipelines using **GitLab CI** for microservices and infrastructure components.
- Implemented full **observability stack** (Prometheus, Grafana, InfluxDB, ELK), including metrics, logs, alerting, and incident response workflows.
- Automated infrastructure provisioning and configuration using **Ansible, Python, Shell, and Rundeck**.
- Designed networking, security, and reliability architecture for geographically distributed systems.

**Open Source & Deep Infrastructure Work**

- Author of **SRv6 Traceroute** tool (Segment Routing v6), forked and adopted by **Cisco**: https://github.com/vmag/srv6_tracert
- Creator of **GNS3 SRv6 appliance images** for large-scale network simulation: https://github.com/vmag/gns3-appliances

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## Sigaba — AWS Cloud & CDN Architect

*May 2017 – Present | Kaunas*

- Designed highly available **cloud-native and multi-CDN architectures** on AWS.
- Consulted on scalability, latency optimization, and disaster-tolerant system design.
- Built secure, automated infrastructure supporting high-throughput media and data platforms.

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## Ambernetas — DevOps Engineer / Senior Linux System Administrator

*Oct 2007 – Jan 2018 | Kaunas*

- Designed and operated **global CDN and ISP infrastructure** with strict availability and performance requirements.
- Implemented automation using **Python, Ansible, Puppet**.
- Built monitoring platforms with **Zabbix, Telegraf, InfluxDB, Grafana, ELK**.
- Performed capacity planning, performance tuning, and incident response for large-scale Linux environments.

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# AZURE EXPERIENCE (HIGHLIGHT)

- Built and maintained **Azure Marketplace VM images**, including:
  - Automated image build pipelines
  - OS hardening and security baselines
  - Identity, networking, and compliance integration
- Practical experience with Azure platform services and architecture.
- Strong conceptual understanding of **AKS**, with production Kubernetes expertise from Rancher and self-managed environments.

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# CERTIFICATIONS & TRAINING

- Kubernetes Monitoring with Prometheus (Linux Foundation)

- Docker Deep Dive (Linux Academy)
- Jenkins Certified Engineer (Linux Foundation)
- Infrastructure Automation with Ansible & Terraform
- Advanced Linux Networking & Performance

## EDUCATION

- Master's Degree in Informatics

## LANGUAGES

- Lithuanian (Native)
- English (Fluent)
- French (Intermediate)
- Russian (Fluent)