

Michael Vasilenko

Site Reliability Engineer

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Summary

Site Reliability Engineer with 7+ years of experience in building and supporting complex production environments in public and private clouds, including Security & Compliance Audits. I have successfully designed and implemented the IaaS automation / observability platform using open source tools, enabling developers to provision and own services and applications. My current professional interests are in implementing SRE best practices at scale. Canadian work permit holder.

Skills

Clouds AWS, GCP, Azure

CI/CD CircleCI, GitLab, GitHub Actions

Security SSO, SOC2, Vulnerability scans

Programming Python, Shell

Observability Prometheus, ELK, CloudWatch

Containers Docker, Kubernetes (K8S), ECS

Orchestration Terraform, Ansible, Helm

Databases PostgreSQL, Redis, DynamoDB

Project Management Agile, Kanban

Serverless AWS Lambda

Experience

Verbit

Team Lead SRE

Kyiv, Ukraine / Porto, Portugal

Jul. 2021 - present

- Established and lead an SRE / infrastructure team, built cross-functional relationships between team and sister teams to allow seamless collaboration and delivery according to established priorities
- Introduced self-service IaaS automation platform, enabling developers to provision services, based on Terraform / Terragrunt / GitHub / Atlantis
- Improved Security by moving from VPN to Zero Trust security model using AWS SSM & Cognito
- Brought production readiness checklist - CI/CD template, metrics, monitoring, automated canaries
- Managed and participated in on-call rotation, conducted root cause and post-mortem analysis

Verbit

Senior Site Reliability Engineer

Kyiv, Ukraine

Sep. 2019 - Jul. 2021

- Operated core company cloud infra in AWS ECS - captioning and transcription speech to written text
- Reduced speech AWS cloud processing costs 3x through process & architecture improvements, allowing company to save 6-figures in cloud budget
- Lead company SOC2 / HIPAA compliance audit for cloud infrastructure part, including Disaster Recovery
- Scaled cloud infrastructure to meet explosive company growth

2021.ai

Senior DevOps Engineer

Kyiv, Ukraine

Jan. 2019 - Sep. 2019

- Introduced application-level metrics for implementing SRE practices
- Developed automated CI/CD pipeline that reduced delays in code delivery
- Implemented reproducible K8S SaaS deployments in 3 clouds: AWS, Azure, GCP

SmashDocs

DevOps Engineer

Kyiv, Ukraine

Dec. 2016 - Jan. 2019

- Managed workloads with IaaS approach (Terraform, Puppet)
- Introduced workloads deploy to public clouds, allowing company to deal with Fortune 500 customers
- Automated release management using CI/CD/Git, reduced release time 3x
- Deployed applications to cloud, on-premises, and Kubernetes clusters

XOTel

System Engineer

Kyiv, Ukraine

Feb. 2014 - Nov. 2016

- Introduced HA solution for routing VoIP traffic, allowing seamless handovers
- Developed ChatOps monitoring system for meet SLA indicators
- Automated routine Linux administration tasks, reducing delivery time from days to hours

Comstar-Ukraine

Senior Network Engineer

Kyiv, Ukraine

Jan. 2012 - Jan. 2014

- Introduced network inventory system and internal documentation portal
- Broadband network rollout, automating configuration and monitoring
- IP/MPLS network design, working with vendors

Ukrainian Mobile Communications

Network Engineer

Kyiv, Ukraine

Dec. 2005 - Dec. 2011

- Broadband network rollout, working with vendors - planning, RFP, tenders, documentation
- Corporate network management - from budgeting and network design to on-sites launch
- CDMA IP core, IP/MPLS network extension projects - allowed company to scale existing network

Education

Cloud Native Computing Foundation (CNCF)

CKA: Certified Kubernetes Administrator

CNCF.io

Dec 2019

Coursera + University of California at San Diego

Data Structures and Algorithms

Coursera

Dec 2016

Chernihiv Polytechnic National University

Master's Degree in Industrial Electronics and Microprocessors

Chernihiv, Ukraine

Sep. 1994 - Jun. 1999