VOLODYMYR STOIKO

SITE RELIABILITY ENGINEER

EXPERIENCE

2023 | 2025

Site Reliability Engineer

Kubeshark   (remote)

- Architected a cloud storage feature for captured network traffic
- Migrated HTTP/JSON APIs to Protobuf/gRPC for internal service communication
- Set up CI pipelines for automated environment management in the cloud

2021 | 2024

Site Reliability Engineer

McKinsey & Company   (remote)

- Migrated bespoke services into Kubernetes
- Developed a CLI tool for CI/CD and release management processes
- Designed an automated decision process for release management

2021 | 2023

Site Reliability Engineer

Veego   (remote)

- Managed company and customer Kubernetes environments
- Developed CI/CD pipelines and internal tooling
- Designed IoT infrastructure at high scale (millions of embedded devices)
- Designed and implemented an embedded device software simulator

2021 | 2023

Site Reliability Engineer

Bloop   (remote)

- Developed an API for cloud environment deployment
- Improved performance for multiplatform release builds
- Provided development environments to speed up testing of new features

2017 | 2021

Site Reliability Engineer

Giant Swarm GmbH   (remote)

- Developed Managed Kubernetes in AWS/Azure/on-premises environments
- Managed release process for microservice-oriented architecture
- Extended the Kubernetes API via CRDs and custom controllers
- Defined and developed SLIs/SLOs/SLAs for customer-facing services

2016 | 2017

Deployment Engineer

Mirantis, Inc   Lviv, Ukraine

- Configured and deployed OpenStack (Python/Puppet)
- Deployed hybrid cloud platforms (Spinnaker)
- Built highly extensible CI/CD Jenkins pipelines (Groovy)

2015 | 2016

DevOps Engineer

GlobalLogic Ukraine   Lviv, Ukraine

- Developed hiring process for DevOps positions
- Executed on-premises to cloud infrastructure migrations

2012 | 2015

Infrastructure Engineer

Sumitomo Electric Bordnetze Ukraine   Ternopil, Ukraine

- Configured LAN/WAN (Cisco equipment)
- Set up and administered cluster solutions for MySQL/Microsoft SQL databases

CONTACT INFO

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TECHNICAL SKILLS

Kubernetes & CNCF landscape
Golang/Python/Rust
Infrastructure as Code
AWS/Azure clouds
CI/CD/GitOps
Observability
Distributed systems
Linux
Networking

SOFT SKILLS

Communication
Collaboration
Accountability
Healthy ego
Flexibility
Empathy

LANGUAGES

Ukrainian (native)
English (advanced level)
Russian (trying to forget)
Spanish (basic level)

HOBBIES

Playing guitar, violin, piano, drums
Building large-scale IoT infrastructure
Bodyweight fitness with Freeletics
"Discworld" books by Mr. Pratchett

SELECTED PROJECTS

2024   **Migration from HTTP/JSON to Protobuf/gRPC API architecture**

Kubeshark

- Designed Protobuf schemas and service definitions for a distributed system
- Implemented gRPC for high-throughput hub-worker communication, resolving JSON marshaling bottlenecks
- Integrated ConnectRPC for browser-compatible hub-frontend communication with type safety
- Instrumented services with Prometheus metrics for latency, throughput, and error rate observability

2023   **Automated decision-making on software release readiness**

McKinsey & Company

- Developed a CLI tool that extracts security scan results from various systems
- Prepared OPA policies to validate security scan results based on predefined gate values

2022   **Design and deploy IoT solution using AWS cloud at high scale**

Details under NDA

- Provisioned a hybrid application platform based on Nomad/Consul/Vault via Pulumi
- Developed a service for MQTT-to-Kafka bidirectional message replication

2021   **Design and implementation of organization GitOps strategy**

McKinsey & Company

- Designed a baseline repository and configuration structure for existing and new projects
- Implemented a software release process POC based on ArgoCD/Argo Workflows

2020   **Designing HA setup for Docker registries**

Giant Swarm GmbH

- Developed a service for syncing images between configured registries
- Set up HA configuration for transparent failover to a backup Docker registry

2019   **Migration Kubernetes cluster node provisioning to ignition**

Giant Swarm GmbH

- Rewrote the templating engine from cloud-init to Ignition
- Implemented encryption for sensitive data

EDUCATION

2011 | 2012   **Master's Degree in Computer Science**

Ternopil Ivan Pul'uj National Technical University   Ternopil, Ukraine

Real-time face recognition in media streams.

2007 | 2011   **Bachelor's Degree in Computer Science**

Ternopil Ivan Pul'uj National Technical University   Ternopil, Ukraine

Systems Analysis & Design, Computer Systems Security

PROFESSIONAL CERTIFICATIONS

2019   AWS Advanced Networking Specialist

2015   ITIL V3 Foundation Certified

2014   Cisco CCNA Routing and Switching