

Maksim Samoilov

Senior Site Reliability Engineer

10 years of experience

CONTACTS

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PRIMARY STACK

Kubernetes, AWS, Helm, ArgoCD, Pulumi,
Terraform, GitHub Actions

ADDITIONAL SKILLS

Monitoring:

Prometheus, Grafana, Loki, PagerDuty,
DataDog, CloudWatch, ELK

Cloud providers:

AWS, GCP, DigitalOcean, Yandex Cloud

CI/CD:

GitHub workflows, GitLab pipelines,
AWS CodeBuild

Security:

Hashicorp Vault, OPA Gatekeeper,
jspolicy, Sonar, Trivy, Usergate, Semgrep,
Teleport

Programming:

JavaScript, TypeScript, Go, Bash

Databases:

PostgreSQL

PROFILE

About

I am an SRE with extensive programming experience. I have experience in building highly available infrastructure and implementing monitoring solutions.

My team about me

- Max has an excellent outlook — he likes to deal with a lot of different technologies and can always offer some kind of tool to solve the necessary tasks
- Max's proactivity is 10 out of 10; he has a vision and many great ideas about what the project lacks and what needs to be done
- You can rely on Max for complex tasks where you need to implement a feature from start to finish: conduct research, propose a solution, share vision with the team, decompose, and finally implement the solution
- He never refuses to help someone from the team, while trying not just to give a solution, but to explain the concept/problem/technology in more depth

EXPERIENCE (10 years)

SRE

csssr.com

August 2015 – now

NDA project

2024 – now

SRE

Russia's first private university for IT specialists

Stack

Yandex Cloud, Kubernetes, GitLab, terraform, helm

Team

9 SRE, 1 security engineer

Tasks and responsibilities

- Deployment of services for students to simulate real-world experience
- Implementation of multi-tenancy for services
- Implementation of security measures for infrastructure, such as zero-trust infrastructure, OPA Gatekeeper, NGFW, and WAF
- Standardization of approaches and tools for infrastructure management
- Mentoring of less experienced teammates
- On-call duty

Personal achievements

- Implementation of a fault-tolerant NAT gateway



LANGUAGES

English – fluent, C1

Russian – Native

German – Learning, A1

OPEN SOURCE

Maintainer:

[Helm plugin for writing charts in](#)

[TypeScript](#)

[GitHub Action to search for changed files in PR](#)

HOBBIES

Alternative coffee preparation methods

Cooking, especially Georgian and French cuisine

Sim-racing, Karting

- I led an implementation of a self-service application for students, which drastically reduced the operational costs of engineers' time

Gauss Money

2023 – 2024

SRE

A project in the US market that helps track credit card spending and improve credit history.

Stack

AWS, RDS, Kubernetes, Pulumi

Team

8 developers и 1 SRE

Tasks and responsibilities

- Building the cloud infrastructure
- Monitoring implementation
- On-call duty

Personal achievements

- I implemented the IaC approach for the cloud infrastructure on AWS using Pulumi
- Accelerated the release cycle by implementing preview environments

NDA project

2021 – 2022

SRE / Backend developer

A project to refine the PM (Practice Management) system in a Health Tech product on the American market. I have been developing a patient notification system module for medical clinics. The product is used by several thousand clinics in the USA with millions of patients.

Stack

AWS, Kubernetes, DataDog, GitLab CI, Terraform, AWS SQS, Sonar, Node.js, PostgreSQL, TypeScript, Netflix Conductor

Team

6 developers

Tasks and responsibilities

- Setting up CI pipelines
- Implementation of monitoring based on custom metrics
- Architecture development
- Writing documentation

Personal achievements

- I implemented a system for writing integration tests that significantly reduced the number of bugs. Raised the test coverage to 80%
- Configured the monitoring system (DataDog) to reduce the response time to incidents from several hours to several minutes. Also, I implemented tracing to speed up bug fixes and track performance
- Implemented an autoscaling system at peak loads based on custom metrics

CSSSR

2019 – 2024

SRE

Implementation of infrastructure to support 120+ projects of varying complexity.



Stack

Kubernetes, Helm, DigitalOcean, AWS, Prometheus, Grafana, Loki, PagerDuty, GitHub Actions, Jenkins, Hashicorp Vault, jspolicy, Sonar, Trivy, TypeScript, Go, Bash

Team

3 DevOps engineers

Tasks and responsibilities

- Building the infrastructure
- Monitoring implementation
- On-call duty
- Implementation of test and production environments

Personal achievements

- Implementation of a Heroku-like system for fast deployment of test environments for each PR
- Organization of the incident monitoring and response process along with its documentation

3+ other projects

2015 – 2019

Frontend developer

During my first 4 years at the company, I participated in several more projects:

- Developing a mobile version of a large real estate website using React.js
- Implementation of the CRM frontend for technical and business support
- Implementation of e2e testing tools and their integration into company processes
- Other frontend projects

Stack

TypeScript, React

Team

From 3 to 8 people

Tasks and responsibilities

- UI Development
- Optimization of loading speed and page performance

Personal achievements

- Optimization of page loading speed by 2-3 times
 - Building a web application interface accessible to people with sight disabilities
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