Maksim Samoilov

Senior DevOps engineer

10 years of experience

CONTACTS

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PRIMARY STACK

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

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ADDITIONAL SKILLS

Monitoring:
Prometheus, Grafana, Loki, PagerDuty, DataDog, Cloudwatch

Cloud providers:
AWS, GCP, DigitalOcean, Yandex Cloud

CI/CD:
GitHub workflows, GitLab pipelines, AWS CodeBuild

Security:
Hashicorp Vault, OPA Gatekeeper, jspolicy, Sonar, Trivy

Programming:
JavaScript, TypeScript, Go, Bash

Databases:
PostgreSQL

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PROFILE

About
I am a DevOps engineer with extensive programming experience. I have experience in building highly available infrastructure and monitoring.

My team about me
- Max has a very good 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

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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
7 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
- On-call duty
Personal achievements
- Implementation of a fault-tolerant NAT gateway
- I led an implementation of a self-service application for students, which drastically reduced the operational costs of engineers' time

Gauss Money
2023 – 2024
DevOps engineer

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 DevOps engineer
Tasks and responsibilities
- Building the cloud infrastructure
- Monitoring implementation
- On-call duty

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

NDA project
2021 – 2022
DevOps engineer / 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 monitoring system (DataDog) to reduce the response 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
DevOps engineer

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 client side for technical 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