Maksim Samoilov

Senior Site Reliability Engineer

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Georgia
Looking for relocation to Germany
Blue-card eligible

PROFILE

Site Reliability Engineer with 6+ years in SRE/DevOps and 10+ years in software development. Focused on scalable infrastructure, Kubernetes, and cloud automation with proficiency in programming.

KEY SKILL

Kubernetes: Operators/Controllers, Helm, CoreDNS, OpenShift, Istio, Envoy

GitOps: ArgoCD, Flux, Terraform, Pulumi

CI/CD: GitHub Actions, GitLab Pipelines, AWS CodeBuild, Jenkins, Ansible

Monitoring: Prometheus, Grafana, Loki, ELK, PagerDuty, DataDog, Cloudwatch, Vector, FluentBit

Clouds: AWS, GCP, DigitalOcean, Yandex

Containers: Docker, Docker Compose, Docker Swarm, containerd

Security: Teleport, Hashicorp Vault, OPA Gatekeeper, Kyverno, jspolicy, Sonar, Trivy, WAF, NGFW, Semgrep, CodeQL, Falco

Programming: Node.js, JavaScript, TypeScript, Go, Python, Bash

Databases: PostgreSQL, MongoDB, Redis, MySQL, ElasticSearch, OpenSearch

Tests: Jest, Vitest, Pytest

Other: Git, Linux, Nginx

English: fluent, C1
Russian: Native
German: A1, in progress

CAREER HISTORY

Senior Site Reliability Engineer
2024 — Till Now

CSSSR, Central University

Learning Management System with a large-scale microservices architecture

- Led migration of microservices to Kubernetes, improving security, observability, and resilience of services, cutting outages by 9 times, using Terraform, ArgoCD for GitOps, ELK, and Prometheus for monitoring
- Implemented a zero-trust security model with security engineers to have a clearly visible access model and just-in-time access requests, using Teleport, Hashicorp Vault, OPA Gatekeeper, Trivy, Semgrep, WAF, and NGFW
- Designed cloud architecture allowing fast and secure deployment of new services to avoid the long approval process for new services, and reducing their deployment time from weeks to hours, using cloud-level network separation and strictly audited access points
- Automated routine tasks, reducing engineers' time on support by 90%, using Python, Go, and Kubernetes operators

Senior Site Reliability Engineer
2024

CSSSR, Gauss Money

Fintech startup in the US market with a microservices architecture

- Built a cost-optimized AWS architecture, cutting cloud infrastructure expenses by 2.5 times, using EKS, Cloudwatch, CloudBuild, RDS, and other AWS services
- Introduced the Infrastructure as a Code ideology, allowing to achieve complete control over cloud resources and to move fast using Pulumi and Kubernetes
- Implemented preview environments, speeding up the release cycle using Pulumi, TypeScript, and GitHub Actions

Site Reliability Engineer / Backend Developer 2023 — 2024
CSSSR, NDA project

Practice management system in a Health Tech product in the US market

- Integrated the monitoring and log system, reducing bug resolution time from days to minutes or preventing mistakes in the first place. We used the DataDog stack, including metrics, tracing, and logs
- Implemented data processing and error recovery for heavy operations like marketing campaigns, allowing a fast recovery and observability on every perspective from the whole company to every individual customer, using AWS SQS and Netflix Conductor

Site Reliability Engineer 2019 — 2023
CSSSR

Mid-sized outsourcing/product company

- Implemented a scalable deployment management system, allowing setting up new projects in a few minutes and enforcing security practices among them, yet allowing flexible configuration for individual projects. We were able to run and monitor 200+ projects with negligible operational cost. For development were used Kubernetes, Go, TypeScript, and React.js
- Set up and configured a monitoring and logging system, providing observability over workloads, using Prometheus, Grafana, Loki, and Deckhouse

Frontend Developer 2015 — 2019
CSSSR, 3+ projects

Mid-sized outsourcing/product company

- Implemented e2e testing tools and integrated them into company processes
- Developed a mobile version of a large real estate website using React.js
- Implemented the CRM frontend for technical and business support
- Participated in other frontend projects

PEER FEEDBACK

- 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