

# Kirill Kashin

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## EXPERIENCE

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### SRE Engineer

August 2023 – Present

*Criteo*

*Limassol, Cyprus*

- As part of the Observability team, I am responsible for setting up and maintaining the company's entire monitoring system based on Prometheus, VictoriaMetrics, OpenSearch, OpenTelemetry, Grafana, Tempo.
- Responsible for supporting and providing SDKs for C#, Python, and Scala/Java applications.

### SRE Engineer

May 2022 – Aug. 2023

*Tinkoff*

*Moscow*

- Completed the migration to Kubernetes (K8s) for the Java services of the TCRM product and adapted the canary deploy.
- Migrated Python services of the T-Messenger product to Kubernetes (K8s) and adapted the blue-green deploy.
- Implemented SLA and reoriented the monitoring system to align with the new service levels, replacing impersonal infrastructure metrics.
- Migrated the monitoring stack from self-hosted ELK/Prometheus clusters to the Sage platform.
- Developed and maintained a load-balancing system based on Envoy, enabling seamless configuration changes and traffic management without request losses.
- Provided clients with a set of SDKs for ACL, Logging, Metrics, Profiling, and Swagger.

### DevOps/SRE Engineer

Jul 2019 – Jun 2021

*Tinkoff*

*Moscow*

- Migrated from TeamCity and Bitbucket to GitLab.
- Scaled service load by more than 10 times.
- Prepared and initiated the migration plan from Rancher to Kubernetes (K8s).
- Optimized the team's codebase into a unified CLI tool for independent use at each pipeline stage.
- Developed and implemented tools for canary releases, significantly reducing production incidents.
- Created a user-friendly repository service with configuration files for over 30 services, enabling easy addition and deployment of new services.
- Maintained a self-hosted monitoring stack using ELK, Prometheus, and Zipkin.

### Technical Support Team Lead

May 2017 – Jul 2019

*Tinkoff*

*Moscow*

- Technical support / Incident manager and team lead of 15 people, we are supported by the bank site, mobile apps and payment services.
- Created a unified documentation database and established the practice of regular updates.
- Organized the incident escalation process.
- Developed a training system for new employees.

### Technical Support Engineer

Oct. 2016 – May 2017

*AiTi*

*Moscow*

- I was part of a team that developed an electronic document management system for Aeroflot, intended to replace the outdated IBM Lotus Notes/Domino. I was responsible for updating documentation, performing manual testing, tracking bugs, and training customer support staff.

## EDUCATION

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### National Research Nuclear University

Moscow

*Bachelor of Computer and Information Systems Security/Information Assurance*

*Aug. 2011 – Jul 2015*

## CORE SKILLS

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**Languages:** Python, Java, Go

**Monitoring:** Prometheus, VictoriaMetrics, Grafana, Loki, ELK, OpenTelemetry

**Automatization:** Bash, Jsonnet

**CI/CD platform:** Gitlab, Teamcity, Jenkins

**Infrastructure:** K8s, Helm, Kustomize, Ansible, Terraform

**Practice:** Incident and Alert management, Planning, Postmortems