Maxim Murygin

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SUMMARY

Site Reliability Engineer with 15+ years of experience spanning software development, infrastructure, and platform engineering.

My career began with five years focused on backend development and software architecture, building a strong foundation in writing clean, maintainable code and designing scalable systems. Driven by curiosity about how things work under the hood, I expanded into infrastructure—mastering compute, networking, and cloud technologies. This evolution led me to platform engineering, where I've gained hands-on experience building developer platforms serving thousands of engineers, learning valuable lessons from both successes and failures along the way.

I'm passionate about making software and infrastructure truly reliable. I thrive on eliminating toil, optimizing inefficiencies, and establishing robust observability and incident response processes.

TECHNOLOGIES

Programming Languages	Python, Javascript, Go, Bash.
Databases / DataStores	MySQL, PostgreSQL.
Tools	OpenStack, Docker, Kubernetes, Helm, Terraform, Puppet, Ansible, Packer, Nginx, Vagrant, Prometheus, Stackdriver, Grafana, Graphite.
Operating Systems	CentOS, Ubuntu, Red Hat Linux.
Clouds	Amazon Web Services, Google Cloud Platform.

EXPERIENCE

BOOKING.COM   Nov 2024 - Present
Senior Site Reliability Engineer
Technologies: Java, Python, Golang, Kubernetes, Puppet

Working on a distributed scheduling platform with thousands of jobs on top of baremetal and Kubernetes.

Achievements:
- Designed and lead the MVP of deploying Function-as-a-Service platform on top of Kubernetes
- Helped to discover and mitigate one of the biggest security breach in platform history
- Led the initiative to decrease toil and automate routine tasks
- Improved incident handling by reducing alert fatigue and setting up proper monitoring
- Early adopter of AI tools (Windsurf, Komodor), trained developers on productivity.

BOOKING.COM   Aug 2022 - Oct 2024
Senior Site Reliability Engineer
Technologies: OpenStack, Python, Puppet, Terraform, Graphite, Grafana, Linux.

Design and implementation of a private cloud platform on top of Openstack with the goal to build a secure and reliable solution and satisfy the needs of a wide range of tenants: internal database platform, legacy but most critical stateless workload, an acquired external company with different technology stack.

Achievements:
- Unblocked migration of key booking services to Private Cloud by being constantly in touch with stakeholders, understanding their needs, delivering requirements to the team and contributing to the solution both by design and coding.
- Played a key role in uncovering and solving a performance issue after migrating critical stateless workload from physical servers to virtualization platform.
- Created / reviewed dozens of design docs, focusing on reliability and making right trade-offs in a constrained environment.
- Performed many demos and knowledge sharing sessions to team members and stakeholders to uncover platform features and internals.
- Was a to go engineer for EMs, PMs and GPMs in case when there was an urgent solution needed to unblock a critical path. Looks like I was doing it well, as they were always coming back with even more urgent and critical stuff:)
- Constantly fought with alert fatigue, promoted SLO based alerts and good opdocs. As a result, oncall load was manageable, which sounds like an achievement for a young but critical platform:)

BOOKING.COM   May 2020 - Jul 2022
Site Reliability Engineer
Technologies: Terraform, OpenStack, GoLang, Python, Puppet, Graphite, Grafana, PostgreSQL, Linux.

SRE in Core Infrastructure. Building from scratch and maintaining an integration layer between OpenStack-based Private Cloud and internal services.

Achievements:
- Designed and took a major role in implementation of internal platform which consists of 8000+ VMs and provides a working environment for 2000+ developers
- Guided the adoption of IaC with terraform, developed many internal terraform modules, a few provided and helped AWS team to setup and use private terraform registry.
- In collaboration with Risk and Compliance built a comprehensive list of controls to certify the environment as SOX compliant. Performed a yearly demo to external auditors to get SOX label.
- Onboarded 6 new team members and empowered engineers by example on how to do pair programming.

RUBIUS   Aug 2016 - Mar 2020
DevOps / Site Reliability Engineer
Technologies: Google Cloud Platform, Terraform, Kubernetes, Docker, MySQL, PostgreSQL, Python, Linux, Prometheus, Stackdriver.

I was a DevOps / SRE in an outsourced team. We build web services for data processing and for generating training sets for Machine Learning tasks. We processed 10+ terabytes of data and in the peak load our web services handle up to 1200 messages per second.

I was responsible for:
- Building and maintaining cloud infrastructure.

- Building and improving monitoring, alerting, CI / CD pipelines.
- Designing backend architecture to split big monolith app into microservices.
- Setting up the local environment for developers and QAs (with Docker-Compose).
- Troubleshooting backend/infrastructure issues.

Achievements:
- Migrated from monolith to microservices architecture.
- Moved to Kubernetes cluster.
- Implemented CI / CD pipelines and strong monitoring and alerting systems.
- Because of the above, the platform is released multiple times per day.

[RUBIUS](#)   Jun 2015 - Jul 2016
Senior Backend Developer
Technologies: Node.JS, Python, Linux, Docker, Google Cloud Platform, MySQL.

As the Lead Developer of the outsourced team which worked for a US Company, I was responsible for building backend architecture and optimizing critical requests.

Achievements:
- Implemented the real-time monitoring of production performance
- Gathered the most critical requests in production and optimized them
- Implemented stress tests to prevent performance degradation

[RUBIUS](#)   Oct 2013 - May 2015
Backend Developer
Technologies: .NET, C#, Microsoft SQL Server
I was responsible for the backend development of the enterprise project management system.
Achievements:
- I made a significant refactoring to make the system testable.
- I increased test coverage from 0% to 30%.
- I showed other developers the value of tests and how to write them. Sooner the test coverage became close to 90%

[TOMSK POLYTECHNIC UNIVERSITY](#)   Sep 2010 - Jun 2013
R&D Intern
Technologies: C++, MatLab.
I developed a bacterial population monitoring system in a homogeneous medium by building asymptotic solutions of the Fisher-Kolmogorov equation followed by modeling in MatLab.

CERTIFICATIONS
- [Certified Incident Responder](#), 2021
- [AWS Certified Developer](#), 2021-2024
- [OpenStack Certified Administrator](#), 2020-2023
- [AWS Certified SysOps Administrator](#), 2019-2022
- [AWS Certified Solutions Architect Associate](#), 2019-2022
- [Red Hat Certified Engineer](#), 2019-2022
- [Red Hat Certified System Administrator](#), 2019-2022

EDUCATION
[TOMSK POLYTECHNIC UNIVERSITY](#), Engineer's Degree in Physics   Sep 2006 - Feb 2012

LANGUAGES
Russian - Native, **English** - C2, **Dutch** B1