

Maxim Murygin

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SUMMARY

Software Engineer with **15+ years** of experience spanning software development, infrastructure, and platform engineering — with a track record of building platforms that serve **thousands of engineers** and **billions of customers** across large-scale multi-cloud environments.

EXPERIENCE

[BOOKING.COM](#)

Aug 2022 - Present

Senior Site Reliability / Platform Engineer

Technologies: Python, Golang, Linux, Kubernetes, OpenStack, Amazon Web Services.

Lead engineer in **Platform Foundation** track which owns compute resources across the company. Led the adoption of OpenStack based Virtualization platform (**10000+ VMs**), contributed to **distributed job scheduling** platform (hosts **6000+ of jobs**), designed and deployed company first Function-as-a-Service (FaaS) platform.

- Unblocked migration of **key booking services from bare-metal to virtual machines** 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.
- Led the deployment of the **FaaS platform on top of Kubernetes**. The work included integration with control planes, networking and deployment tooling.
- Played a major role in architecture decisions, including leading the design for the '**Multi regional**' resilience model to ensure all services could withstand cloud failures, effectively simplifying cloud onboarding and improving deployment reliability for all engineering teams.
- Executed a high-impact, **cross-functional initiative** (across 5 teams) to optimize platform configurations, resulting in a quantifiable **10% increase** in performance for critical workload.
- Led initiative to **reduce operational toil and enhance platform stability**. Championed the adoption of automation tools, which resulted in the elimination of **60% of recurring manual work** and improved the reliability posture of the core infrastructure.
- Helped to discover and **mitigate** one of the **biggest security breaches in platform history**. Post-incident, conducted the postmortem and drove cross-functional improvements that permanently enhanced company-wide security incident handling.
- Acted as a **principal technical consultant** for Engineering/Product Leadership, quickly diagnosing and delivering complex, time-sensitive solutions that prevented critical path blockers for major product initiatives.

[BOOKING.COM](#)

May 2020 - Jul 2022

Site Reliability / Platform Engineer

Technologies: Python, OpenStack, Terraform, Linux, Networking.

Building from scratch and maintaining an integration layer between OpenStack-based Private Cloud and booking eco-system.

- Designed and took a major role in implementation of an internal platform which consists of **8000+ VMs** and provides a working environment for **2000+ developers**.
- Guided the adoption of **IaC with Terraform** — developed internal modules, established testing and delivery standards, and mentored engineers on Terraform best practices.
- In collaboration with Risk and Compliance built a **comprehensive list of controls** to certify the platform as SoX compliant. Ensured platform compliance by successfully leading audit sessions with auditors.
- Onboarded 6 new team members, mentored engineers and championed pair programming.

[RUBIUS](#)

Aug 2016 - Mar 2020

Team Lead

Technologies: Node.JS, Python, Google Cloud Platform, Terraform, Kubernetes, MySQL, PostgreSQL, Linux.
Led team of 9 engineers, managed stakeholder relationships, and drove technical decisions. Maintained and enhanced web services for **data processing** and generating **training sets for Machine Learning tasks**.

- Designed a distributed backend architecture that sustained **100x growth over five years**.
- Led successful migration from **monolith to microservices architecture**.
- Moved operations from manual to Infrastructure as Code with terraform.
- Grew team from 6 to 9 engineers.

[RUBIUS](#)

Jun 2015 - Jul 2016

Senior Backend Developer

Technologies: JavaScript, Python, Linux, Docker, Google Cloud Platform, MySQL.

As the Lead Developer in the outsourced team, I was responsible for building backend architecture and optimizing critical requests.

- Implemented **real-time monitoring** of production performance.
- Gathered and optimized critical production requests which resulted in **3x latency improvement**.
- Implemented **load 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.

- Performed refactoring to make **legacy system testable**.
- Demonstrated the value of testing and proper test writing techniques to other developers, rapidly increasing **test coverage to nearly 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 Nuclear Physics (equiv. M.Eng.)

Sep 2006 - Feb 2012