Maxim Murygin

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SUMMARY

Software 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.

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

Transitioned to a different internal team to pursue novel challenges and broaden my professional experience. Currently contributing to a distributed scheduling platform managing thousands of jobs across bare-metal infrastructure 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 yearly demos to external auditors to get the SoX label.
- Onboarded 6 new team members and promoted by example pair programming.

RUBIUS Aug 2016 - Mar 2020

Team Lead / Site Reliability Engineer

Technologies: Google Cloud Platform, Terraform, Kubernetes, Docker, MySQL, PostgreSQL, Python, Linux, Prometheus, Stackdriver.

Team Lead managing a cross-functional team while handling SRE responsibilities. Led team of 8 engineers, managed stakeholder relationships, and drove technical decisions. Maintained and enhanced web services for data processing and generating training sets for Machine Learning tasks.

Achievements:

- Setup a solid architecture which survived 100x scale over the next 5 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: Node.JS, Python, Linux, Docker, Google Cloud Platform, MySQL.

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

Achievements:

- Implemented real-time monitoring of production performance
- Gathered and optimized critical production requests
- 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:

- Made significant refactoring to make the 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 Physics Sep 2006 - Feb 2012