

Tigran Koshkelian

tigrankoshkelyan@gmail.com | +39 (333) 868-35-32 | t.me/tigrkoshka

tigrkoshka.com | linkedin.com/in/tigrkoshka | github.com/tigrkoshka

General

- **Languages:** Russian, English (TOEFL 117/120)
- **Stack:** Go, C++, PostgreSQL, MySQL, Docker, Kubernetes

Experience

Senior Software Engineer July 2025 – Present
Yandex LLC., Moscow, Russia (remote)

Leading a team of 5 people further developing the inventory service

- Oversaw a complete UI redesign for the service, which allowed facilitating new users onboarding
- Integrated the GraphQL API of the service into the business unit-wide Federation, simultaneously introducing a new GraphQL approach and embedding it into all services, gaining more than 10x speedup across all services
- Expanded the service usage scope from only network inventory data to any type of data, with convenient yet comprehensive customization on the user side
- Attracted new users from more than 10 other services ranging from CDN and Cloud to HR and Legal
- Now in talks with higher management preparing the full product to be either open-sourced or sold to other companies as an on-prem solution

Software Engineer April 2021 – June 2025
Yandex LLC., Moscow, Russia (remote)

- Designed and implemented a full-stack service (Go/C++/PostgreSQL backend, Typescript frontend, Docker deployment) for net macros management:
 - Fluent management of more than 200,000 macros allowed using more targeted host-based firewall rules, which improved company network security
 - Network state history tracking allowed decreasing average network vulnerability fix ETA from several weeks to several days
 - Designed a condensed IP-prefix tree algorithm, which allowed introducing IP-based authorization policies
- Designed and implemented a C++/Go/PostgreSQL service with both REST and GraphQL API for managing various inventory data, such as servers and net configurations, L2/L3 links:
 - Centralized inventorying of more than 1500 L2/L3 links, together with respective documents and contacts, allowed deprecating more than 20 outdated but high-maintenance micro-services across the company
 - Implemented a Kubernetes/ArgoCD flow tailored for fast and independent deployment, which allowed adopting a micro-service approach and avoiding a monolith

Software Engineer Intern Nov 2020 – April 2021
Yandex LLC., Moscow, Russia

- Implemented a full-stack service (Go/PostgreSQL backend, Typescript frontend, Docker deployment) for performing datacenter connection loss drills
- More than 100 company-wide and more than 2000 service-specific drills each month massively improved the company's services reliability

Education

Politecnico di Milano Feb 2024 – Jan 2026
MSc in Computer Science **GPA:** 25.33/30.00

Moscow Institute of Physics and Technology (MIPT) Sept 2019 – June 2023
BSc in Applied Mathematics and Physics **GPA:** 9.00/10.00 (4.91/5.00)