


# Dmitriy Safonov

## Software Developer

### About

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 Vancouver, BC

### Skills

#### Backend — Senior

- Python
- Go
- Rust
- Zookeeper
- protobuf
- Distributed Systems
- Microservices

#### Devops — Senior

- Git / Github
- Linux
- Docker
- Ansible
- Reliability
- High Availability

#### Frontend — Mid

- HTML / CSS
- Javascript / Typescript
- Angular / React

### Interests

#### Open Source

#### Video Game Design

#### Hiking

### Summary

I'm a software developer who can design, build, test, document, and maintain highly-available and scalable systems. I specialize in backend development and dev-tools, and I have first-hand experience with QA, front-end dev, DevOps/SRE, software architecture, and technical writing.

I'm used to working in small efficient teams, so I'm comfortable with wearing multiple hats.

I value transparent processes, collaboration, and maintainable code, and strive to foster an open and honest work environment.

### Experience

#### Yandex | Senior Software Developer

2018-04-30 - 2022-06-30

Yandex is one of the largest Russian tech companies which has products ranging from search engine and analytics to ridesharing and delivery apps. I worked on the internal cloud infrastructure, building a company-wide platform for software deployment and network configuration, inspired by Kubernetes but with our specific requirements in mind.

**Notable achievements:** designed and implemented user-facing features for managing dynamic DNS configurations and TLS certificates.

- Python
- Go
- Angular / React
- L3/L7 network configuration
- MongoDB / Zookeeper
- Software Architecture

#### HP | Software Developer

2017-09-30 - 2018-02-28

I was hired as a contractor on an internal R&D project for 3D-scanning and computer vision. I helped design and build the MVP based on micro-services written in Go, C++, and Python, as well as maintained and improved our build pipeline.

**Notable achievements:** designed the MVP architecture, implemented reproducible builds.

- Python
- Go
- AWS
- Docker
- Ansible
- protobuf

## Kaspersky Lab | Software Developer

2016-07-31 - 2017-09-30

Kaspersky is one of the world's leading antivirus and network security companies. I worked on the fraud prevention service deployed in multiple banks. Initially I was responsible for QA automation and site reliability, and then transitioned into backend development and deployment infrastructure.

**Notable achievements:** implemented robust overnight e2e regression testing with custom reporting, code coverage, and statistics.

- Python
- Kafka / RabbitMQ / Zookeeper
- Mesos / Marathon
- Ansible
- Test Automation

## Luxoft | Senior QA Engineer

2015-11-30 - 2016-07-31

Our team worked on developing and certifying firmware for a large microcontroller manufacturer, implementing support for the IEEE 802.15.4 standard (low-rate wireless networks for IoT devices, such as ZigBee/ZHA/RF4CE). I developed the framework that orchestrated running certification tests for multi-device configurations.

**Notable achievements:** drastically reduced hardware testing time without losing any functionality, eliminating a lot of common crashes.

- Python
- Internet of Things
- Firmware
- Documentation
- Test Automation

## Reasoning Mind | Content Developers Team Lead

2009-10-31 - 2015-11-30

Reasoning Mind was a non-profit organization developing interactive educational software for US schools. I was responsible for managing a team of several dozen people that implemented math curriculum. I also developed and documented software to automate our processes.

- Python
- Project Management
- JIRA workflow configuration

## Volunteer

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## Vancouver DataJam 2023 | Discord Tech Admin

2023-06-01 - 2023-09-24

## Education

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## Moscow Aviation Institute | Master's degree | Information Technology

2009-12-31 - 2014-12-31

## Moscow State University | Bachelor's degree (incomplete) | Physics

2006-12-31 - 2009-12-31

## “ References

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Available upon request