Dmitriy Safonov

Software Developer

About

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- ⊙ Vancouver, BC

Skills

Backend — Senior

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

Devops — Senior

- Git / Github
- Linux
- Docker
- Ansible
- Reliablility
- 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

Fair Compute | Startup Developer

2023-03-01 - 2023-09-01

Fair Compute is aimed at democratizing access to AI compute for small startups and individual researchers. I helped to bootstrap the project, working on the API server and managing the release pipeline.

- Rust
- Typescript
- Software Architecture
- Distributed Computing

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 / Zookeper
- 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 / Zookeper
- 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

Vancouver DataJam 2023 | **Discord Tech Admin**

2023-06-01 - 2023-09-24

🎓 Education

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

66 References

Available upon request