

# Aleksei Melezhik

Lead devops automation engineer

## Contacts

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## Intro

Hi! I am passionate about automation in DevOps.

I am the author of numerous automation frameworks and services written in Raku and for Raku community.

Sparrow/Sparky/SparkyCI/Cromtit/Tomtit/R3Tool/Rakusta to name a few.

I architect complex CICD system from the scratch and produce simple to maintain and scalable design including implementation.

My current interest is to build distributed job management system on Raku - [Cromtit](#) project.

## Job experience

**Mar-2018 - Present** - Chief System Engineer. EPAM Systems. US. <http://www.epam.com>

Building comprehensive CICD systems from the scratch, implementing infrastructure as a code and devops best practices for multiple enterprise customers.

Stack - Azure, Azure Devops, K8S (AKS), Openshift, Python, Perl, Raku

**Jan-2015 - Mar-2018** - Senior Devops Engineer, EPAM Systems. Russia. <http://www.epam.com>

Senior devops, implementing configuration management and infrastructure as a code for big pharma/bio tech customer.

Stack - Opscode Chef, Ruby, Perl, AWS

**Jan-2007 - Dec-2014** - Lead devops engineer / Senior Software Engineer, Adriver LTD. Russia. <https://www.adriver.ru/>

Building from the scratch internal build and monitoring system, servers provisioning

Stack - Opscode Chef, Ruby on Rails, Ruby, Svn/Git

Developing internal and external Web APIs within team of developers.

Stack - Perl, Nginx, Postgresql, MySQL, FastCGI, Linux

## Skills

- Clouds - extensive experience with Azure/Azure Devops, OpenStack
- Kubernetes - AKS, Openshift, Docker
- Programming languages - many years of experience building systems with Python, Raku, Perl, Powershell, Ruby, Bash
- Algorithms and data structures
- CI/CD frameworks - Azure Devops, GitLab, GitHub Actions, Jenkins, Travis
- Infrastructure as a code - Terraform, ARM templates, Azure Biceps
- Automation and configuration management tools - Opscode chef, Ansible, Sparrow
- SCM - git, subversion
- Databases - MySQL, Postgresql
- Software based storage - ceph
- Networking - TCP/IP stack
- OS - Linux/Windows. Linux kernel concept. OS fundamentals.
- Testing Frameworks - Capybara, Cucumber, Test::More, Pytest, RSpec, Chef Inspec

## Education

Saint-Petersburg State University, Russia.

Faculty/College: Physics.

Degree (diploma): Master.

Specialty: physics

## My open source projects

I am an active member of [Raku](#) community, @melezhik

My actively maintained open source projects:

- <https://sparrowhub.io> - Repository of Sparrow plugins
- <https://sparky.sparrowhub.io> - Sparky is a flexible and minimalist continuous integration server and distribute tasks runner written in Raku

- <https://ci.sparrowhub.io> - SparkyCI - dead easy CI service
- <https://github.com/melezhik/Sparrow6> - Sparrow - Automation Framework
- <https://github.com/melezhik/bird> - Bird - Raku DSL for Linux Servers Verification
- <https://github.com/melezhik/Sparrowdo> - Run Sparrow tasks remotely (and not only)
- <https://github.com/melezhik/Sparky> - Sparky - Lightweight CI server
- <https://github.com/melezhik/Tomtit> - Tomtit - Raku Task Runner
- <https://github.com/melezhik/Tomty> - Tomty - Testing Framework

## My public talks

The Raku Conference. 2022.

- [Tomtit - Raku Task Runner](#)

The Raku Conference. 2021.

- [5 minutes introduction into Sparrow](#)
- [5 minutes introduction into Bird](#)

## My blogs

- <https://sparrowdo.wordpress.com> - Sparrow/Sparrowdo blog
- <https://dev.to/melezhik> - My dev.to blog

## Hobby

I've challenged myself to memorize 3000 English phrases and I made it!

## Awards

I am a Opscode Chef Cookbooks Contest [runner up](#) in 2011.