Aleksei Melezhik

Principal Devops/Automation Engineer with Focus on Platform Engineering.

Contacts

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Self introduction

I have a strong skill set related to platform engineering and devops.

I code on many programming languages including Python, Ruby, GoLang, Perl and Powershell.

I am the author of many open source automation frameworks and active member of Raku language community.

I do system design and implement existing solutions, wearing many hats at the same time.

I am very systematic and attentive to details. I love document my code in a simple and

easy to ready manner.

I can work both with legacy code, eventually bringing things in order and starting green fields projects.

I am familiar with system design, algorithm and data structure concepts.

I can always find a good balance between design, efficiency and code quality.

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 level customers.

Architect and key developer for various platform engineering services and tools.

Technical Stack - Azure, Azure Devops, Artifactory, K8S/Openshift, Python, Powershell, Perl, Raku, GitOps

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.

Automation and integration with Artifactory repository using Artifactory Rest API.

Maintaining artifactory repositories.

Building Azure devops pipelines using Python and Jinja template.

Developing Python libraries for Azure devops pipelines - automation via RestAPI

Maintaining, developing and integration of security check pipelines - WhiteSource, Trivia, VeraCode, Virus Total, SSLLabs, Fortify using Ado pipelines and Powershell

Stack - Opscode Chef, Ruby, Perl, AWS. Debugging and support java applications (Java/Tomcat)

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

As lead devops:

Building from the scratch internal build and monitoring systems (Ruby on Rails / Sinatra / Local CPAN), servers provisioning (chef).

Helping developers and operation departments cooperation, teaching operation people start working with chef.

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

As senior backend developer:

Developing internal and external Web APIs within team of developers (Perl, Catalyst, FastCGI)

Technical stack - Perl, Nginx, Postgresql, MySQL, FastCGI, Linux

Skills

- Clouds - extensive experience with Azure/Azure Devops,OpenStack
- Kubernetes - AKS, Openshift, Docker
- Repository managers - Atifactory, Alpine apk, Debian dpkg, Gentoo ebuild
- Programming languages - many years of experience building systems with Python, Raku, GoLang, Perl,Powershell, Ruby, Bash
- Algorithms and data structures

- CICD 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
- Operations systems - Debian/Ubuntu/Alpine/Arch. Windows servers.
- Linux kernel concept. OS fundamentals.
- Testing Frameworks - Test::More, Pytest, RSpec, Chef Inspec, Cucumber
- UI tests - Ruby capybara / selenium
- Language Package manager and build tools - CPAN/Ruby gems/PIP/zef

Education

Saint-Petersburg State University, Russia.

Faculty/College: Physics.

Degree (diploma): Master.

Specialty: Computational Physics

My open source projects

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

My actively maintained open source projects:

- [ci.sparrowhub.io](#) - SparrowCI - super fun and flexible CI system with many programming languages support

- [sparrowhub.io](#) - Repository of Sparrow plugins

My github profile with numerous repositories:

[github.com/melezhik](#)

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://medium.com/@melezhik2 - Medium blog

- https://dev.to/melezhik - dev.to blog

- https://sparrowdo.wordpress.com - Sparrow/Sparrowdo blog

Awards

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