

Viacheslav Mogilevskii

Platform Engineer | AWS Certified SA Pro | Cloud Architecture | SRE | DevOps

About

📍 Berlin Germany

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Programming languages

Python Bash Ruby Go

TypeScript Groovy

Continuous Integration

GitLab CI Jenkins

Tech stack

Kubernetes Linux AWS

Infrastructure-as-a-Code

Terraform CDK

Cloudformation

Languages

English

Russian

Experience

Affinidi

Senior Platform Engineer

06/2021 - 07/2023

Infrastructure provision in AWS/Kubernetes

- Developed terraform module for launching EKS clusters at scale: EKS-instances + standard k8s resources (monitoring, tracing, etc)
- Infrastructure-as-a-code: implemented how-to template terraform stacks using terragrunt
- Implemented fine-grained access from a Gitlab job to AWS account: https://docs.gitlab.com/ee/ci/cloud_services/aws/
- Contributed to internal CDK constructs
- Contributed to out infrastructure tooling using CDK/SDK: managing stacks cross region/accounts, patching external resources via CustomResource

Provectus

Senior DevOps/SRE

09/2014 - 06/2021

Infrastructure management for: Tripactions (<https://tripactions.com/>), Imply (<https://imply.io/>), Universal Healthcare (<https://universal.one/>), Ninthdecimal (<http://www.ninthdecimal.com/>), UpMetrics (<https://www.upmetrics.com>), GetParcel (<https://www.linkedin.com/search/results/index/?keywords=GetParcel>), heallyTech (<https://github.com/EquoTech>)

- AWS - working with many services (EC2, Beanstalk, load balancing, ECS, EKS, IAM, etc)
- Kubernetes - k8s resources management, writing helm charts
- Kubernetes - using userdata in worker node ASG to use docker registry mirror
- Kubernetes - using argocd for continuous delivery
- Helm - writing custom helm charts
- Sysbox - using sysbox container runtime to provide Docker-In-Docker for CI jobs
- Terraform - stack provision in AWS, writing custom modules
- Ansible - system management automation, dynamic inventory, ad-hoc tasks
- Ansible - writing custom plugins (audit trail)
- Sidekiq - delayed job processing, monitoring
- RabbitMQ/Kafka - messaging environment among microservices, Kafka Connect integration
- Nginx+Lua - writing authentication proxy
- CirceCI/Travis - continuous integration service, tests parallelization
- Papertrail/AWS Cloudwatch/ElasticSearch - log aggregation from microservices
- Docker - building image for Jenkins cluster (master and slave)
- Docker - multistage builds (Node.js/Java)
- Jenkins - continuous integration tool (deployed through Docker)
- Jenkins - building temporary run-off images to gain environment on demand in a Docker container. Inspired by this solution: <https://tech.ebayinc.com/engineering/delivering-ebays-ci-solution-with-apache-mesos-part-ii/>
- Jenkins - parallel distributed for integration tests (selenium + video recording)
- Jenkins - writing pipelines (Sonarcloud/Docker integration)

Provectus

Ruby developer

12/2012 - 08/2014

Ruby on Rails development for: Maia360 (<https://www.indiegogo.com/projects/maia360-founding-the-biggest-dental-community-worldwide>), BeyondVIP (<http://beyondvip.com/>)

- ElasticSearch, Sphinx - search engine
- Flexpaper (<https://flowpaper.com/>) - PDF viewer on site
- Redis and Resque - asynchronous writing changes of ActiveRecord model data to commit log and further pulling changes to mobile device and browser (delayed replication)
- Redis, Resque and Node.js - async push live changes of ActiveRecord model data to mobile device via WebSockets (async replication)
- Nginx - web server (SSL and WebSocket support)
- Redis - data storage for mobile device authentication
- Capistrano - deployment tool

Education

Kazan Technical University named by A.N. Tupolev

Bachelor/Master Computer Science

09/2010 - 08/2016

Ilmenau University of Technology (ungraduated)

Master Computer Science

10/2015 - 03/2016