

# Andrii Ageiev

DevOps, Cloud Architect

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## ***Design, build, automate infrastructure and CI/CD processes***

DevOps Engineer with +10 years of experience in managing cloud infrastructure, Linux and databases administration. Designing, implementing and automating CI/CD processes and application infrastructure. Bringing operation requirements to software engineering and provide maximum scalability and availability for applications and services.

## ***Building and optimizing applications infrastructure***

Describe OS, software, network, computer resources configuration and create Configuration As Code using Terraform, Ansible, Puppet, etc. Optimizing infrastructure for High Load. Create change management and security rules. Implement monitoring policies and define escalation rules. Create backup processes and describe Disaster Recovery plan.

## ***Development Infrastructure Setup***

- Collaboration tools
- Build / deploy tools
- Dynamic resources allocation for non-production environments
- Tasks / tickets tracking

## ***Implementing CI/CD for dockerized apps***

- Build application with docker
- Publish docker image to container registry
- Deploy docker container to Kubernetes
- Run integration, acceptance or distributed performance testing
- Automate these stages using Jenkins and Groovy

## ***Machine Learning workflows automation and CI/CD***

- Dynamic environment for ML train processes in Kubernetes or Computer Cloud
- Microservice configuration and profiling for ML prediction application
- Build, test and deploy pipelines for Kubernetes

## Experience

### June 2018 – now

Docker Kubernetes  
helm Automation  
Jenkins CI/CD Ansible  
Azure AWS Groovy  
Ruby Airflow ML H2O  
MSSQL BlazeMeter  
TLS

## **Senior DevOps**

*Newgistics / PitneyBowes*

### **Development infrastructure and CI/CD processes automation**

- Jenkins CI/CD Pipelines: build, test, publish and deploy micro-services (NodeJS, Dotnet with Docker and Kubernetes)
- Application infrastructure design and implementation with docker and Kubernetes (AKS, EKS)
- Release preparation
- Design and implementation Machine Learning CI/CD pipelines (train, test and deploy prediction application)

#### What was done:

1. Dockerized complex .Net event-processing application and created set of micro-services
  - a. Application requirements (health url, logging, resources, etc.)
  - b. Dev / QA environment with docker-compose
  - c. Stage / prod environment install in Kubernetes using helm charts
  - d. Integration testing
2. ML prediction app pipelines - design and automation
  - a. Dynamic H2O cluster
  - b. Docker jetty container with H2O models
  - c. Deploy and performance testing

### May 2017 - June 2018

Jenkins Groovy Ansible  
AWS Backup AWX  
Docker Oracle MySQL  
Ruby RDS  
RubyOnRails

## **Senior DevOps**

*Provectus for Determine*

### **Infrastructure and processes automation for PaS in AWS.**

- Completely redesigned, automated and implemented backup processes for PaS (Java + Oracle and LAMP) on AWS
- Development of infrastructure inventory microservices (ruby, ruby-on-rails).

### Oct 2016 - Apr 2017

Google Cloud  
Automation Ansible  
Puppet Terraform Jira  
Confluence MySQL  
Atlassian AWS Puppet  
MPI Cluster Docker  
Bamboo MacOS

## **DevOps Architect**

*Appko for Nest*

### **Dev Infrastructure migration from AWS to Google Cloud.**

- Infrastructure design for Development services in Google Cloud Platform (Atlassian stack and build infrastructure) Automate infrastructure provisioning and

configuration.

- Created migration plan to move infrastructure services from AWS cloud to GCP cloud.

#### Aug 2005 - Apr. 2012

Oracle Linux Puppet  
PHP Ruby VMware  
Private Cloud RHEL  
Windows Server Active  
Directory SLES HP  
SAN

### **Lohika**

#### *Site IT manager / Ops Lead*

Entire site operation, IT infrastructure and team management, site IT budget planning. Communication with software and hardware vendors and resellers. Communication with local service-providers.

Resources planning for Company Private Cloud.

##### On that position:

- Prepared budget for Private Cloud (for local datacenter). Dealing directly with software and hardware resellers to get best term and prices.
- Design and deployment of Private Cloud on external datacenter.
- Implemented new workflow to delivery resources to DEV and QA, which allows us to more flexible planning and managing resources.
- Designed and implemented IT infrastructure for two new office-spaces in Odessa. (Telephony, networking, conference-rooms, etc.)

#### *Senior IT / DevOps*

Installing and managing different application environments with separated or shared DB (Oracle, MySQL, SQL) Linux Administrator, Oracle DBA – support all instances of Oracle RDBMS on entire the site

##### On that position:

- Build from scratch Virtual Private Cloud on existing hardware. Implement new workflow to ordering new resources to existing Cloud
- Provide internal education on Red Hat Linux, Oracle DB to QA and developers

#### Apr 2003 - Aug 2005

Linux FreeBSD MySQL  
Telecom Perl PHP  
DialUp PostgreSQL

### **Software Engineer / DBA**

#### *TWT Ukraine*

#### **Development and support for telecom billing.**

##### On that position:

- Changed core database from MySQL to PostgreSQL
- Business logic moved from different system parts written on C++, Perl and PHP to PostgreSQL stored procedures
- Optimizer and automated reporting processes

## Education

<u>1998 - 2003</u>	<b><i>Odesa State Polytechnic University</i></b> <u>Computer and Network Systems</u>
<u>2016</u>	<b><i>MongoDB University</i></b> <a href="#">M102. MongoDB for DBA</a>
<u>2011</u>	<b><i>HP Education center</i></b> <u>VMware vSphere 4.0 – Deploy, Configure, Manage</u>
<u>2006</u>	<b><i>Kvazar Micro Education center</i></b> <u>Oracle 10G Administrator</u>
<u>2002</u>	<b><i>Odessa IT Collage</i></b> <u>Windows NT Administrator</u>