

# Maksym Shaposhnikov

Senior Systems Engineer, Build, Release and Configuration Manager

CI/CD | AWS | Ansible | Terraform | Python | Docker | Jenkins | Kubernetes

Kiev, Ukraine

- telegram shaposhnikoff

## RESUME SUMMARY

DevOps Engineer with experience in designing, implementing and maintaining cloud infrastructure on AWS. Strong experience with Python, Bash scripting, automation tools like Ansible and Terraform.

My key expertise includes design and implementation of continuous integration, delivery, and deployment using Jenkins, Gitlab CI/CD, Argo CD/CD, Git, Docker, Vagrant, Ansible, and AWS/EC2.

- Strong understanding of DevOps principles and methodologies.
- Strong experience with Python
- Proficiency in cloud infrastructure management using AWS.
- Experience in configuration management using Ansible, Terraform.
- Working knowledge of Kubernetes and Docker containerization.
- Expertise in Continuous Integration/Deployment (CI/CD) using Jenkins and ARGO CI.
- Familiarity with scripting languages such as Python, Bash.

## WORK Experience

### Zoolatec - Senior Systems Engineer

Dec,2020 - Now

Main responsibilities on the project

- Implemented Ansible and Terraform scripts to automate system deployments resulting in an increase in infrastructure efficiency by 50%.
- Designed and implemented a cloud infrastructure on AWS to support the company's product suite.
- Developed and maintained Python tools to interact with the cloud infrastructure and automate deployment processes.
- Managed and maintained Continuous Integration and Deployment pipelines using Jenkins.

### Grid Dynamics - Senior Systems Engineer

Dec,2017 - Dec,2020

IOT && ECS project for NDA company

Main responsibilities on the project

- Designed and managed the cloud infrastructure on AWS for DEF's production environment.
- Developed scripts using Bash and Python to automate infrastructure deployments and configuration management.
- Implemented monitoring and logging systems to provide visibility to the infrastructure and applications.

### **EPAM Systems - Senior Systems Engineer**

Feb 2014 - Apr 2017

- Design and develop continuous deployment pipeline, integrating Test-Kitchen, Docker, Git, Jenkins and Ansible across geographically separated hosting zones in AWS.
- Performed new Ansible automation to replace old-bash-style scripting tools to provide Continuous integration / Continuous delivery of results working of Development team.
- Performed custom Docker integration solution to run test suites (functional, unit, web, integration tests) - running tests in docker-compose created environment with hybris image and wide range of MySQL database versions.
- Developed fully completed CI/CD solution (Jenkins/Docker/Ansible based) from scratch to build and deploy artifacts starting from git pull and ending to checking Hybris startup logs and email notification to dev team members.
- Developed many fully customized Ansible playbooks for maintenance next application on customer cloud - Apache Solr Cluster, SMTP server Postfix.
- Also, created and maintained everyday ansible automation and special automated branch to GoLive production environments.
- Collect the new technologies and tools and introduced them to the client; in which way it helped the company build up an agile development environment - it improved the product quantity and the work efficiency.
- Developed automation and deployment utilities using Bash and Ansible.
- Designed and developed automated deployment and scaling processes based on Docker and Ansible for a wide range of server types and application tiers, including Elasticsearch, Tomcat, Varnish and SOLR Clusters.
- Wrote custom monitoring and integrated monitoring methods into deployment processes to develop self-healing solutions.
- Created automation and deployment templates for relational databases (standalone and RDS).
- Wrote custom monitoring and integrated monitoring methods into deployment processes to develop self-healing solutions (Zabbix && Ansible).

### **Other**

Married, ready for business trips.

## Hobby

programming IOT, ESP32 / ESP8266, creating custom firmware for these boards (based on Tasmota / ESPhome),

- I develop from scratch (and update from time to time) the IOT infrastructure of my Smart Home,
- Create and develop Smarthome Core configurations (HomeAssistant/Mosquitto MQTT broker, Prometheus/Grafana)
- Develop ( and update ) SmartHome software ( mainly OTA ) configurations for various devices
  - Tuya smart plugs
  - Sonoff switches
  - RTMP security cameras
  - wide scope of humidity/temperature/water( and air) pressure /current/voltage/power consumption sensors)

Making software support of monitoring / checking / load balancing internal infrastructure to perform best practices of IOT

Also, i have a HAM radio licence in Ukraine - callign UT3UDX and have a technician expertise in:

- DMR, APRS, SVXLink, Repeater Builds