

## DevOps Serhii P.

Over 9 years of IT Industry experience as a DevOps Engineer. Comprising of Development, Systems Administration, and Software Configuration Management (SCM). Extensive experience includes SCM, Build/Release Management, and AWS Cloud computing, GCP.

### EXPERIENCE

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December 2018 - present

Senior DevOps

#### Project 1:

##### Responsibilities:

- Support multiple teams with request regarding AWS (EC2, S3, VPC peering, Transit Gateway)
- Implementing Infrastructure-As-Code principle (Terraform)
- Investigation reasons of outages
- Setting up new environments (Linux + .NET)

#### Project 2:

##### Responsibilities:

- Planning, implementing, setting up, and supporting infrastructure for several services based on Java into a cloud (Microsoft Azure (Compute, KeyVault, AKS, BLOB Storage))
- Dockerization of several Java projects (Java11/16+Maven)
- Implementing Infrastructure-As-Code principle (Terraform)
- Automating creating and initial set-up environments (several prods + several stagings) for product (Terraform + k8s (HELM))
- Development and support of HELM charts for services
- Planning and implementing a monitoring system in k8s (Prometheus+Grafana)
- Planning and implementing a logging system in k8 (OpenTelemetry+Loki+Grafana)
- Investigation reasons of outages
- Setting up and supporting CI pipelines (Azure DevOps)

#### Project 3:

##### Responsibilities:

- Planning, implementing, setting up, and supporting infrastructure for several services based on Python+NodeJS into cloud (Amazon AWS (EC2 + RDS + S3 + EKS/ECR + ElasticCache))
- Dockerization NodeJS project Implementing Infrastructure-As-Code principle (Terraform)
- Automating creating and initial set-up environments (several prods + several stagings) for product (Terraform + k8s)

### SKILLS

Programming languages: Bash, Python.

Version Control: Git;

Bug-tracking system: JIRA, Trello;

SQL Databases: PostgreSQL, SQLite, MongoDB;

Virtualization tools: VMware vSphere, OpenStack;

Monitoring systems: Zabbix, Prometheus+Grafana;

CI Servers: Jenkins, GitLabCI;

Orchestration: Kubernetes,

Ansible;

IaaS: Terraform, Amazon

CloudFormation, AWS CDK

(TypeScript; Python);

AWS: EC2 (EBS, ELB, ASG), RDS

(Postgres, Aurora), S3,

ElasticCache, EFS, Elastic

Beanstalk, IAM, EKS, ECS,

OpenSearch;

Azure: Compute, KeyVault, AKS,

BLOB Storage;

GCP: Compute, Database, GKS,

Storage.

### LANGUAGES

English (Upper-intermediate)

Ukrainian (Native)

German (Elementary)

### CERTIFICATIONS

AWS Certified SysOps

Administrator – Associate

(SOA)

Validation Number:

K8L090KCB1FQQTSJ

- Investigation reasons for outages Set up CI process (Atlassian Bitbucket + Atlassian Pipelines + ECR + EKS)

## Project 4:

### Responsibilities:

- Support build infrastructure in AWS (EC2, S3) based on Linux (Python, Bash)
- Implementing Infrastructure-As-Code principle (Terraform)
- Investigation reasons of outages

## Project 5:

### Responsibilities:

- Planning, implementing, setting up, and supporting infrastructure for several services based on Python+NodeJS into a cloud (GCP (Compute + Database + Storage + GKS))
- Dockerization NodeJS project
- Implementing Infrastructure-As-Code principle (Terraform)
- Automating creating and initial set-up environments (several prods + several stagings) for product (Terraform + k8s)
- Investigation reasons of outages
- Set up CI process (GitLabCI)

## Project 6:

### Responsibilities:

- Leading 2 Senior DevOps team
- Planning, implementing, setting up, and supporting infrastructure for several services based on Java into cloud (Amazon AWS (EC2 + RDS + S3 + EKS/ECR + ElastiCache))
- Dockerization of several Java projects (Java8+Maven)
- Implementing Infrastructure-As-Code principle (Terraform)  
Automating creating and initial set-up environments (several prods + several stagings) for the product (Terraform + k8s)
- Migrating a product from self-managed servers to new infrastructure in cloud
- Planning and implementing a monitoring system in k8s (Prometheus+Grafana)
- Planning and implementing a logging system in k8s (Elasticsearch+Kibana+Fluentbit)
- Investigation reasons for outages Support CI servers (GitLabCI)

## Project 7:

### Responsibilities:

- Setting up and support infrastructures for several projects on bare cloud (Amazon AWS (EC2 + RDS + S3 + ECR + ElasticCache + Beanstalk), Linux)
- Setting up and support infrastructures for several projects on Kubernetes (Amazon EKS/KOPS)
- Dockerization of several projects (PHP, Python, Java, .Net)
- Implementing Infrastructure-As-Code principle (Terraform)
- Automating creating and initial set-up environments (several prods + several stagings) for the product (Terraform + Ansible)
- Investigation reasons of outages
- Support CI servers (Jenkins, GitLabCI)
- Planning, implementing, and administrating Private Cloud based on OpenStack (Fuel/ SuSE OpenCloud)

## Comodo Security Solutions LTD., Odesa, Ukraine.

December 2016 - June 2018

Senior DevOps

### Responsibilities:

- Setting up monolith part of the product (nGinx + php5(7.1) + Amazon RDS (Postgres))
- Setting up the microservice part of the product (Docker + PHP/GoLang)
- Setting up support part for the product (MongoDB, RabbitMQ, Redis, Memcached, NFS)
- Setting up the on-premise version of the product (deb packages + Docker)
- Support infrastructure for the product (Amazon AWS (EC2 + RDS + S3 + ECR + ElasticCache))
- Implementing Infrastructure-As-Code principle (Terraform)
- Automating creating and initial set-up environments (several prods + several stagings) for the product (Terraform + Ansible)
- Planning and implementing a distributed monitoring system (Zabbix) with phone notifications and automatic actions on most frequent troubles.
- Planning and implementing a distributed monitoring system (Prometheus+Grafana) with phone notifications and automatic actions on most frequent troubles.
- Implementing custom exporters for Prometheus for monitoring product-specific metrics
- Implementation and support of farm of runners for GitLabCI
- Optimization environment for handling ~22M req/hour load
- Investigation reasons of outages
- Support CI servers (Jenkins, GitLabCI)
- Support build servers (Windows + Linux)

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- Planning, implementing, and administrating Private Cloud based on OpenStack (Fuel/ SuSE OpenCloud)

## **Sigma Software**, Odesa, Ukraine.

June 2014 - October 2016

DevOps/Python Developer

### **Responsibilities:**

- Preparing test and development environments (RedHat, Ubuntu, SuSE SLES, Debian).
- Installing OpenStack clusters
- Automation of installing OpenStack clusters
- Setup accounts and clusters in Amazon EC2, manually and automatically
- Installing and maintaining a monitoring system based on Shinken
- Development modules for Shinken for monitoring internal product metrics
- Bug-fix and implement new functionality on Python 3
- Support and administrating CI server based on TeamCity

## **EDUCATION**

### **Odesa State Academy of Refrigeration, Ukraine.**

Specialist, Automated Management of technological processes

2007-2012

### **“American English Center”**

Foreign Language Courses, Upper-intermediate English

2011-2013