



## SENIOR BACKEND SOFTWARE ENGINEER (GOLANG)

I am a goal-focused professional offering five years of experience in Golang development and more than ten years of experience in the Computer industry. Focusing on backend software development, implementing microservices built with HTTP, GRPC API technologies behind, designing and developing business applications on top of the Kubernetes platform in the cloud infrastructure such as Azure, AWS, and private cloud OpenStack as well as on bare metal. Skilled in delivering clustered, distributed, self-healing, reliable, highly available, and fault-tolerant solutions. I have knowledge and experience working with networks, including hardware and software, DNS, TCP/IP.

Able to lead teams of up to five members.

Also, I gave lectures and mentored people on Kubernetes distributed platform, OpenStack cloud platform, Docker technologies.



## TECH SKILLS

- GOLANG, PYTHON, RUBY, BASH SCRIPTING
- KUBERNETES, APACHE MESOS
- POSTGRESQL, REDIS, MONGO, ELASTICSEARCH
- LINUX, WINDOWS, MACOS
- AZURE, AWS, OPENSTACK
- DOCKER
- NATS, AZURE AMQP

## PORTFOLIO

### PROJECT #1

#### OUTSOURCING COMPANY

October 2018 - PRESENT

- GOLANG DEVELOPER, DEVOPS
- REENGINEERED AND REIMPLEMENTED MICROSERVICE WITH REST API WRITTEN IN 'PYTHON' TO 'GOLANG' PLATFORM
- IMPLEMENTED PROMETHEUS ALERTING SYSTEM ALONG WITH CUSTOM EXPORTERS
- ANSIBLE SERVICES CONFIGURATION AUTOMATION AND DEPLOYMENT
- DESIGNED AND DEVELOPED REST API AS WELL AS GRPC ENDPOINTS
- IMPLEMENTED ELK BASED LOGGING SYSTEM WITH CUSTOM 'FLUENTD' RULES
- TERRAFORM SERVICES CONFIGURATION AND DEPLOYMENT

STACK:GO, BASH, ANSIBLE, TERRAFORM, KUBERNETES, ISTIO, MINIKUBE, DOCKER, POSTGRESQL, REDIS, ELK, TICK, PROMETHEUS, AUTH0, JENKINS CI/CD

### PROJECT #2

#### OUTSOURCING COMPANY

April 2018 - October 2018

- GOLANG DEVELOPER, DEVOPS
- INTRODUCED, REENGINEERED AND IMPLEMENTED BINARY AS CLI APPLICATION FOLLOWING THE 'SPF13/COBRA' LIBRARY
- DESIGNED AND DEVELOPED REST API AS WELL AS GRPC ENDPOINTS FOLLOWING THE ASYNCHRONOUS MESSAGING PATTERN

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- INTRODUCED AND IMPLEMENTED GO MODULES MANAGEMENT SYSTEM
- REDESIGNED AND REENGINEERED CODE BASE FROM MULTI-REPO TO MONO-REPO
- INTRODUCED AND IMPLEMENTED PROMETHEUS MONITORING AND ALERTING SYSTEM
- REDESIGNED DOCKER BUILD PIPELINE AS MULTI-LAYERED DOCKER
- INTRODUCED AND IMPLEMENTED ELK BASED LOGGING SYSTEM

STACK:GO, BASH, KUBERNETES, ISTIO, MINIKUBE, DOCKER, POSTGRESQL, AZURE AMQP, AZURE FILESTORAGE, ELK, PROMETHEUS, JENKINS CI/CD

#### PROJECT #3

##### **OUTSOURCING COMPANY**

April 2017 - April 2018

- DEVELOPED AND DEPLOYED OPENSTACK HA/FT INFRASTRUCTURE WITH PACEMAKER AND COROSYNC
- DESIGNED PRIVATE VIRTUALIZATION/CLOUD HARDWARE PLATFORM BASED ON OPENSTACK ON BARE METAL
- DEVELOPED AND DEPLOYED FUEL 9.1 ORCHESTRATOR NETWORK TEMPLATE AND CONFIGURATION TO
- SUPPORT FULL MESH 10GB NETWORK INFRASTRUCTURE
- DEVELOPED AND DEPLOYED OPENSTACK ON BARE METAL LAB WITH FUEL 9.1 ORCHESTRATOR

STACK:BASH, VAGRANT, PXE, LIBVIRT/QEMU, TCP/IP, CEPH, PACEMAKER/COROSYNC, FUEL 9.1, DELL/HP HARDWARE

#### PROJECT #4

##### **OUTSOURCING COMPANY**

August 2016 - August 2017

- ARCHITECTED, DESIGNED AND DEVELOPED CORE BACKEND OF DISTRIBUTED, SECURED AND ENCRYPTED STORAGE SYSTEM
- REENGINEERED AND REIMPLEMENTED CORE BACKEND MICROSERVICES WITH REST API WRITTEN IN NODE.JS` TO `GOLANG` PLATFORM ON TOP OF DOCKER `SWARM` PLATFORM BASED ON MICRO SERVICES ARCHITECTURE
- INTRODUCED AND IMPLEMENTED `TRAEFIK` AS A ROUTING SERVICE FOR MICROSERVICES TO IMPROVE THE PRODUCTIVITY, EFFICIENCY AND AVAILABILITY
- DESIGNED AND DEVELOPED REST API ENDPOINTS
- REENGINEERED THE APPLICATION FOLLOWING THE `TWELVE-FACTOR APP METHODOLOGY`
- BUILT CI/CD PIPELINE USING JENKINS
- SUPPORTED DNS DOMAIN DELEGATION
- SUPPORTED AWS CLOUD APPLICATION INFRASTRUCTURE

STACK:GO, NATS MQ, BASH, ANSIBLE, DOCKER, DOCKER SWARM, POSTGRESQL, MONGO, CEPH STORAGE, AWS VPC, EC2, ELB, ROUTE53, ECS, S3, JENKINS CI/CD

## PROJECT #5

### OUTSOURCING COMPANY

April 2016 - July 2016

- DEVELOPED AND IMPLEMENTED `MESOS` CLUSTER PLATFORM INFRASTRUCTURE DEPLOYMENT USING `ANSIBLE` ON OPENSTACK PRIVATE. VIRTUALIZATION/CLOUD PLATFORM AS WELL AS ON BARE METAL
- DEVELOPED AUTOMATED TESTING SCRIPTS
- DEVELOPED AND IMPLEMENTED CLOUDERA CLUSTER 3T BENCHMARK TESTING
- BUILT CI/CD PIPELINE USING JENKINS
- DEVELOPED AND IMPLEMENTED TESTING AND BENCHMARKING CLUSTER INFRASTRUCTURE

STACK:PYTHON 2.7, BASH, JENKINS, OPENSTACK, CLOUDERA, HADOOP/HDFS, ANSIBLE, TERRAFORM, COBBLER/PXE, CISCO UCS HARDWARE

## PROJECT #6

### OUTSOURCING COMPANY

April 2015 - March 2016

- DEVELOPED INFRASTRUCTURE OF CORE MANAGEMENT SERVICES – KUBERNETES, ONBOARDING, PROVISIONING, WORKLOADS DEPLOYMENT
- DESIGNED AND DEVELOPED REST API ENDPOINTS OF CORE MANAGEMENT SERVICES WRITTEN IN `GO`
- MIGRATED FROM `COREOS` TO `CENTOS` PLATFORM TO PROVIDE CEPH AS SDS AND OPEN VSWITCH AS SDN SYSTEMS
- DEVELOPED AND DEPLOYED MONITORING/LOGGING TICK/ELK STACK SYSTEMS
- SUPPORTED CUSTOMERS ON L1/L2/L3 LEVELS, HELP DESK
- DEVELOPED AND IMPLEMENTED CUSTOM BUILD `PXE` DEPLOYMENT ORCHESTRATOR WRITTEN IN `PYTHON`

STACK:BASH, PYTHON 2.7, GO, ANSIBLE, KUBERNETES, DOCKER, VAGRANT, PXE, LIBVIRT/QEMU, TICK, ELK, CENTOS, COREOS

# LANGUAGES

- ENGLISH - UPPER INTERMEDIATE

# EDUCATION

- M. SC. DEGREE IN INTELLIGENT SYSTEMS AND NETWORKS  
LVIV POLYTECHNIC NATIONAL UNIVERSITY  
COMPUTER SCIENCE DEPARTMENT