

Muhammed Hussein Karimi

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EXPERIENCE

BaSalam | باسلام, Qom, Iran — DevOps Engineer

Nov 2020 - PRESENT

Trying to automate anything using GitLab CI and Ansible, making our own alerting scenarios by making custom Zabbix Media Types and Prometheus AlertManager Webhook bots, Managing Databases and migrating them inside K8s with stolon/kaastolon and backup plans, monitoring anything happening within the cluster by creating our own exporters, creating some tiny K8s operators for automations, using uptime-kuma open source project for our black box monitoring and making our bots for that for alerting, managing and migrating mongodb inside K8s, managing and migrating ES clusters inside K8s, Managing multiple GitLab Runner (Docker based for Projects, Big Runner for android projects, shell runner with docker buildx support for projects within big/a lot of packages) and monitor them, Full Time

Online — Teacher

Dec 2014 - Nov 2020

Having Some online courses about my skills Just For Fun, Part Time

FreeLance — Xamarin/C# Android/Desktop Developer

Dec 2014 - Nov 2017

Making some fun games and applications with Xamarin and C#, Part Time

SKILLS

Linux

Ansible

Kubernetes (RKE, RKE 2, KOs, KubeAdm, KubeSpray)

Prometheus/VictoriaMetrics Stack

Container Runtimes (Docker, ContainerD)

CI/CD (GitLab, Drone CI, OneDev, GitHub/Gitea Actions)

Git Management Systems (GitLab, Gitea, OneDev, Github)

Object Storage (MinIO, Ceph, GlusterFS)

File Systems (BTRfs, ZFS)

Zabbix

Web Servers and API Gateways (NginX, Traefik, Kong)

QEMU/KVM Based Virtualization (Aka Proxmox)

Hardware and HPE Tools (iLO, etc.)

GoLang (Cobra, XORM, Echo, etc.)

Python (Flask, FastAPI, Typer, Click, etc.)

Lua (OpenResty, Kong, etc.)

PostgreSQL

MongoDB

Kafka

K8s Operators (Shell Operator,

BIG OR IMPORTANT PROJECTS

(checkout <https://github.com/mhkarimi1383> for updated list)

[kaastolon](#) — *PostgreSQL HA*

This project is a fork of stolon - postgresql ha with our great customizations

[kvm](#) — *kubectl Version Manager*

Easily switch between kubectl versions

[reflector](#) — *Kubernetes Shell Operator*

A generic K8s reflector that handles every kind, with support for automatically created secrets

[goAPIBaseProject](#) — *Pure Golang*

This project made for for persons who want to have a base to start when they what to make an API project with net/http library this project is not fully completed and it's in progress

[android-emulator-ansible](#) — *Ansible*

Ansible playbook and rules to bring-up android emulator on you host using google's docker images

[forwarder](#) — *K8s Client Golang*

When you want to port forward and translate services into pods this project is here to help you just import it and use it

[git-mover](#) — *Bash Script*

This project is here to help you when you want to migrate your projects between two GitLab Instances

[python-redis-migrator](#) — *Python Redis*

Simply migrate data between two redis instances with multithreading options

[sms_serial_verification](#) — *Python Flask*

An serial verification over SMS project for Altech (Schneider Electric Iran) as an educational series with simple ui, etc. made with flask and bootstrap

[Bestoon](#) — *Python Django, ionic and cli client*

Simple income and expense system completing [Jadi](#)'s original work

KubeBuilder)

Elasticsearch (Also Opensearch)

Ionic

JS (VueJS, ExpressJS)

LANGUAGES

English

Full professional proficiencyFull professional proficiency

Persian

Native or bilingual proficiency

