

Behrad Ravanbod

DevOps Engineer

I have experience in designing DevOps pipelines and automating the tasks. I manage Linux servers, I use Kubernetes clusters & Docker for containerized environments, GitOps and its tools for setting up the CI/CD pipelines.

I started programming in 2013. I have experience in languages like Golang, Python & PHP in the IT industry. Contributing to and developing open-source projects is one of my hobbies that helps enhance my technical skills.



99behi@gmail.com



+98 921 240 8689



Karaj, Alborz, IR



<https://behrad.dev>



<https://github.com/ravanbod>



<https://www.linkedin.com/in/behrad-ravanbod>

WORK EXPERIENCE

DevOps Engineer

Snappfood (snappfood.ir) · Full-time

2024 – present

- Set up and manage new Kubernetes clusters.
- Involved in re-designing the system.
- Involved in datacenter migration
- Set up Redis-Cluster for some projects.
- Tuned PHP-FPM in some services.
- Involved in tuning and redesigning CI/CD pipelines.
- Migrated some services to ArgoCD based pipelines.
- Setup and maintain alerting platform for Kubernetes clusters.
- Developed a customized alert handler with Golang for external services.

DevOps Engineer

Payrad Smart Solutions (paybaar.com) · Full-time

2022 - 2024

- Set up and manage Kubernetes clusters.
- Developed GitOps culture using ArgoCD.
- Increased speed of CI/CD pipelines (Laravel projects) by 2x (improving/fixing Dockerfiles)
- Developed some services using Python and Flask.
- Set up RabbitMQ cluster in k8s.
- Worked with Graylog to store the logs of the apps.
- Set up Redis-Sentinel for many projects.
- Set up alerting system for the new projects
- Improved the laravel projects (tune PHP-FPM, Nginx & ...) Decreased response time by 1.5-2x.
- Redesigning the CI/CD of Node.js & React.js projects and increased CI/CD speed by 1.5x (moved simple libraries projects to node repository).
- Migrated many projects to the new Datacenter.
- Set up Elasticsearch cluster to increase performance of the Applications.
- Migrated old MySQL databases to PostgreSQL using pgLoader.
- Involved in designing the system.
- Worked with Nexus registry (proxy+cache).

DevOps Engineer & Backend Developer

Apex team (apexteam.net) · Part-time

EDUCATION

Hamedan University of Technology

Bachelor of Science, Computer Software Engineering

2019 – 2023

TECHNICAL SKILLS

- **Programming languages:** Golang, Python, C++, PHP
- **Operating System:** Linux, Bash Scripting, Services configurations & ...
- **Container & Container Orchestration tools:** Kubernetes, Docker
- **Databases & Search Engines:** MySQL, Redis, PostgreSQL, Elasticsearch
- **Web Servers & Load balancers & HA tools:** Nginx, HAProxy, Keepalived, Apache
- **CI/CD tools:** Gitlab CI, Jenkins
- **Monitoring & logging tools:** Prometheus, Graylog, Loki, Fluent bit, Grafana
- **Git Servers:** Gitea, GitLab
- **Infrastructure & Configuration as Code tools:** Ansible, Terraform
- **Message brokers:** RabbitMQ
- **Registries & repositories:** Nexus
- **Other related tools:** ArgoCD, Kustomize, Velero, Helm etc.

OPEN-SOURCE ACTIVITIES

- DockerWatcher (Maintainer)

DockerWatcher is a monitoring solution written in Go, designed to track Docker events and notify system administrators in real-time.

<https://github.com/ravanbod/dockerwatcher>

- My Cluster Addons (Maintainer)

Terraform scripts for installing various Kubernetes addons in a cluster

<https://github.com/ravanbod/my-cluster-addons>

- Docker-CheatSheet (Maintainer)

A docker cheat sheet and some examples

<https://github.com/ravanbod/docker-cheatsheet>

- Terraform Awesome (Contributor)

2019 - 2022

- Managed & maintained Linux servers.
- Migrated legacy projects into Docker containers.
- Designed CI/CD pipelines using Jenkins & Gitea.
- Set up monitoring & logging services using Prometheus, Loki, Fluent bit & Grafana.
- Set up load balancing service using HAProxy.
- Set up Wireguard for internal usages.
- Created Automated tasks for Setting up the DevOps tools (CI/CD, load balancers & monitoring systems) using Ansible, Python & Docker-compose.
- Designed backup systems (collecting the data & uploading in ArvanCloud object storage)
- Developed services using Golang (gin) & Python (flask).
- Used Redis as a cache layer for some services.

Backend Developer

Freelance

2016 - 2019

- Designed Some APIs using PHP & Python.
- Migrated services into Docker containers.

Teaching Assistant

Hamedan University of Technology · Part-time

2020 - 2023

- Taught C++ & Java to new students.
- Created a judging system using Golang for submissions. (Automated compiling & running submissions in the docker containers)
- Created a notification system for LMS using Golang.

One of the completest Terraform repositories for providers, examples, tools, etc.

<https://github.com/ravanbod/terraform-awesome>

- **DevOps-Roadmap** (Contributor)

DevOps Roadmap for learning

<https://github.com/ravanbod/devops-roadmap>

- **Private Push Notification** (Maintainer) - archived

A project that has a backend-side (python) and an android library for the client-side. I Used socket programming for the first time in this project.

<https://github.com/ravanbod/ppn-server-python>

<https://github.com/ravanbod/ppn-client-android>