

MohamadAli Rezaie

Cloud Engineer

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ABOUT

A cloud engineer with approximately 5 years of experience in SRE, and DevOps, across diverse team sizes, with a comprehensive understanding of the entire software development lifecycle, and developing large-scale infrastructure. Looking forward to new roles with novel challenges, enhancing skills, and embrace to learning new tech stacks

WORK EXPERIENCE

Cloud Engineer, Snapp!

Nov 2022 – present

Snapp! is the leading ride-hailing, food, and package delivery, application in Iran with more than **3 million rides a day** over **100+ cities**, and **45+ million monthly active users**

- Maintain and develop **3 multi-zone** OpenShift Kubernetes distributions for **40+ teams**, containing **14k+ pods**
- Participate in the **on-call** process, to keep the private cloud up and running, alongside advanced **support** for **500+** developers as the users of the private cloud
- Join **incident postmortem** sessions and document related **reports**
- Setup solutions with 3 OLM-based services to answer developers' requirements
- Use **OpenStack**, as cloud infrastructure for OpenShift, and VM usage for users, provisioned by **Terraform** and **TripleO** (undercloud & overcloud), over **80+ bare-metals**
- Utilize the **GitOps** practice to deliver solutions in a more robust way using **ArgoCD**

Site Reliability Engineer, EXA

Nov 2020 – Oct 2022

Deliver a data-driven **AI-based** software solution to customers in two staging and production environments with an agile approach including **40 team members**

- Make legacy **single-master** Kubernetes clusters **highly available** with 5 master nodes containing **1300+ pods**
- Capacity plan to enrich **SLOs** from **80%** to **90%** uptime
- Improve **resource allocation** of **multiple GPU** nodes in the Kubernetes cluster by extending the scheduler to utilize **100% GPU memory**
- Design the Grafana dashboards illustrating SLOs as the **black box** and other services health such as K8s clusters, Kafka, Traefik, etc, as the **white box** monitoring with Prometheus and Grafana
- Direct the SRE section with 4 teammates, and participate in the hiring and training process of new joiners
- Administrate **30+ on-premise servers** for staging and production environments on a total of resources near **3.5TB RAM**, **1000 cores CPU**, and **550TB** storage

System Administrator, Future Wave Ultratech

Jul 2020 – Oct 2020

The mission at FWUltratech was to provide domestic DNS service considering over 50+ Linux servers using PowerDNS solutions

- Back up data with scripts, and monitor the system with Zabbix and Grafana
- Monitor and troubleshoot 50+ **bare-metal air-gapped** servers spread over 5 data centers

DevOps Engineer, System Administrator, Kavosh

Dec 2018 – Jun 2020

Kavosh was delivering multiple software products, including task management software, banking OTP subsystem, crypto wallet mobile app, etc

- Implement CI/CD pipelines on GitLab for the legacy software delivery process to increase **release velocity** by more than 2x rate
- Design and plan to **containerize** a single **monolith** application to ship in **3 microservices** separately
- Configure nginx as a reverse proxy and static file serving with SSL included
- Deploy and maintain a banking OTP subsystem for 5+ major Iranian bank payment cards, and monitor them using Zabbix and scripts to extend their functionality

EDUCATION

Operation and Supply Chain Management - MBA, Institute For Management And Planning Studies - IMPS

Sep 2018 – Aug 2020 | Tehran, Iran

Telecommunications Engineering - BE, Babol Noshirvani University Of Technology

Sep 2013 – Sep 2018 | Babol, Iran

SKILLS

- Linux Systems
- Git, GitLab CI, ArgoCD
- Docker
- Common networking
- Kubernetes
- Ansible
- Shell Scripting
- Python
- Apache Kafka
- AWS

CERTIFICATION

Certified Linux Administrator (LPIC-1,2) (Credential ID 97zf0xziu6cyedj9udjg)

Essential Python (Credential ID GTC-Python9531-20)

Docker Mastery (Docker Mastery: with Kubernetes from a Docker Captain: Bret Fisher)