

## Contact

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online-CV

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## Top Skills

Kubernetes

Docker

Ansible

## Languages

English

Persian

## Certifications

Certified Kubernetes  
Administrator (CKA)

# Mehrdad Qasemkhani

## Senior DevOps Engineer

Asia/Tehran +3:30

## Summary

As an experienced Software Engineer with over 7 years in DevOps and development, I am passionate about cloud-based technologies, DevOps culture, and tools with a strong focus on Kubernetes orchestration.

My expertise lies in deploying scalable and resilient cloud-native applications. I excel at containerizing applications using Docker and orchestrating them seamlessly with Kubernetes. I have automated build and deployment processes using GitLab CI/CD and Ansible, ensuring efficient and reliable delivery of software.

In terms of application development, I have designed and developed RESTful APIs using Python, Flask, Neo4j, PostgreSQL, and Kong, while ensuring comprehensive unit and integration testing.

As a curious learner and excellent team player, I am seeking a challenging position as a software engineer or system designer, with aspirations to grow into a Chief Technology Officer role. I am excited to leverage my diverse skillset to contribute to innovative, cloud-centric projects and help organizations navigate their digital transformation journeys.

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## Experience

### Fanap Infrastructure

DevOps Engineer

May 2021 - Present (3 years 8 months)

Tehran, Iran

- Full automation of builds using GitLab CI & GitLab Runner.
- Fully automated deployments using Ansible.
- Fully provision services and Infrastructure as Code (IaC) using Ansible.
- Migrated CI pipelines from Atlassian Bamboo to GitLab CI.
- Docker containerization of applications.
- Nexus repository to store packages and Docker images.
- Produce and consume large volumes of messages using Kafka.
- Gather a large number of log messages using Promtail and push to Loki.
- Gather monitoring metrics using Prometheus agents (node-exporter, push gateway, etc.) to pull by Prometheus.
- Visualize metrics and log messages in Grafana.
- Synchronize PostgreSQL databases using Bucardo in active/active mode.
- Load-balance HTTP (Layer 7) & TCP (Layer 4) traffic using HAProxy.
- Use Kubernetes as the container orchestration platform.
- Use Ingress to handle HTTP requests in the Kubernetes cluster.

## Respina Networks & Beyond

DevOps Engineer

February 2020 - April 2021 (1 year 3 months)

Tehran, Iran

- Expertise in VoIP & Cloud Telecommunication Technologies.
- Developed Communications Platform as a Service (CPaaS) solutions.
- Proficient in Session Initiation Protocol (SIP).
- Configured and maintained Kamailio SIP-Server using the signaling section.
- Deployed and managed Asterisk & FreeSWITCH soft-switch platforms.
- Maintained Respina SIP-Trunk services and HostedPBX solutions.
- Implemented SIP & HTTP Load Balancing.
- Achieved High-Availability over SIP & HTTP protocols via VRRP.
- Dockerized services using Docker Compose.
- Automated the entire build process using GitLab CI (Continuous Integration).
- Persisted objects using MinIO object storage.

## Backend Developer

June 2019 - February 2020 (9 months)

Tehran, Iran

- Developed Asterisk RESTful Interface (ARI) applications using Python and the Django framework.
- Developed Asterisk Call-App-Manager using pure Python over the Asterisk RESTful Interface (ARI).

## Kara Tadbir Hooshmand Kish

Python Developer

September 2016 - May 2019 (2 years 9 months)

Tehran, Iran

- Analyzed, designed, and developed RESTful API applications using Python, Flask, Neo4j, PostgreSQL, and Kong to serve subscribers.
- Developed comprehensive Unit-tests and Integration-tests.

## Education

### Shamsipour Technical and Vocational College

Associate's Degree, Computer · (2009 - 2011)

### Raja

Bachelor of Science (BS) · (2011 - 2013)