

# Ehsan Jahanbakhshi

## Devops Engineer

Tehran-Iran • [ehsanjahanbakhsh9@gmail.com](mailto:ehsanjahanbakhsh9@gmail.com) • +989919639554 • [linkedin.com/in/ehsan-jahanbakhsh](https://www.linkedin.com/in/ehsan-jahanbakhsh) • [github.com/EhsanJahanbakhsh](https://github.com/EhsanJahanbakhsh)

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### Summary

A proficient DevOps engineer with over 6 years of experience designing, implementing, and maintaining optimized application infrastructure. Skilled in Communication and Collaboration with teams. Proven track record of accelerating deployment cycles and improving system performance. A decisive, detail-oriented, conscientious, and sociable person who wants to do his work best.

### Skills

Linux Container: Docker, ContainerD, Podman

Orchestration: DockerSwarm, Kubernetes, (Design, Implement, Test, Automation)

CI/CD: Design, Test, Deploy, Backup, Stage and Production with Gitlab, AzureDevops and Nexus, ProGet

Database: MongoDB, PostgreSQL, MariaDB, and clustering

Storage: NFS, GlusterFs

Security: Iptables, Fail2ban, OS Hardening, Audit Tools, Owasp, Bug hunting, pfSense

Common Services: Nginx, HAProxy, Keepalived, RabbitMQ, Kafka, Redis, Traefik, Gravitee AG

Observability: ELK, Prometheus, Jaeger, Grafana, PRTG, Zabbix, Sentry, DataDog

Configuration Management And Automation: Ansible, Helm, Bash, Terraform, Python

### PROFESSIONAL EXPERIENCE

Bpdco, Tehran, Iran

JANUARY 2024

#### Devops Engineer

We are a professional team specializing in developing OMS and back office systems for Iran's financial markets, and we have developed several small yet important projects.

- Install, maintain and support Kubernetes clusters.
- Automating installation/configuration of all the services and nodes with Ansible and Vagrant, Packer.
- Monitoring with Prometheus, Grafana and Alertmanager.
- Performance Tuning Operating Systems.
- Extensively experience in the design and implementation of Continuous Integration, Continuous Delivery, Continuous Deployment and DevOps processes for project, working with technologies and platforms including Dotnet, Jenkins, Gravitee, Postgresql, MongoDB, VMware
- Deployed a monitoring system with Prometheus stack and Splunk.
- Managing VMWare ESXi hypervisors' virtual machines using VMWare vSphere and Integrating hypervisor backup solutions such as Veeam Backup.
- Documentation of all the above.
- Creating and maintaining containerized environments using Terraform, Ansible, ContainerD, and Kubernetes kustomization (Kubernetes configuration transformation).
- Mail Server With MailCow on Docker.
- Experience in monitoring System/Application Logs of server using logstash, elasticsearch, kibana to detect Prod issues.

**SRE Engineer - Remote**

In the first stage, we were focused solely on internal design, but now we are working to give users a primary role in their designs.

- Developed, deployed, and maintained the CI/CD system.
- Docker Deployment Service – Monitoring, logging, Cache Repository, and Nexus Private Registry.
- Install, maintain and support Mysql - Haproxy - Varnish - KeepAlive - Apache.
- Designed and implemented a backup and recovery with verification process.

Alo Application, Tehran, Iran

December 2021 – November 2023

**DevOps Engineer**

We are a professional team in ops & back office development for Iran's financial markets and Negah Navin brokerage.

- Creating and maintaining automated CI/CD pipelines for automation of build and deployment using AzureDevops and Jenkins
- Implementing a centralized and scalable repository and package manager using Sonatype Nexus
- Deploying and maintaining highly available relational and non-relational database clusters such as PostgreSQL, PgBouncer, MongoDB, and Redis in a containerized environment
- Managing VMWare ESXi hypervisors' virtual machines using VMWare vSphere and Integrating hypervisor backup solutions such as Veeam Backup
- Implementing ELK Stack for centralized logging and monitoring services using Prometheus & Grafana
- Improved the security posture of the organization by implementing security best practices such as vulnerability scanning and penetration testing.
- Creating and maintaining containerized environments using Terraform, Ansible, ContainerD, and Kubernetes kustomization(Kubernetes configuration transformation).
- Collaborating with cross-functional teams to design, develop, and deploy software solutions.
- Documentation of all the above.

EADL, Tehran, Iran

August 2021 – January 2022

**DevOps Engineer**

Our team is developing government software to provide judicial services to users, the duties assigned to me in this team.

- Manage and maintain more than 30 production servers Rabbitmq Cluster, Redis.
- Developed, deployed, and maintained the CI/CD system.
- Make automation with Bash Scripts and Ansible.
- Hardening Operating Systems for security.
- Monitoring more than 100 production servers with Prometheus, Grafana and Alertmanager.
- Linux Servers Administrator, SysAdmin.
- Documentation of all the above.

TookaSoft (MaskanBank-Post Iran)

August 2021 – January 2022

### **SRE Engineer - Remote**

In this team, we provide custom cms liferay for any organization and company that needs a site.

- Install, maintain and support Mysql - Haproxy - Varnish - KeepAlive - ApacheTomcat .
- Manage and maintain more than 20 production servers, CentOS, Debian, Ubuntu.
- Monitoring with Zabbix .
- Used Ansible to deploy Liferay on multiple servers, streamlining the process and ensuring efficient and consistent installations.

FN Agency, Tehran, Iran

September 2019 – August 2021

### **Devops Engineer**

We are the technology support team of a relatively large news agency with about 500 employees, 300 remote employees, and more than 4 million visits per day.

- Manage and maintain more than 50 production servers, Based on CentOS , Ubuntu.
- Install, maintain and support Multi Master Kubernetes clusters.
- Docker Deployment Service – Monitoring, Cache Repository, and Nexus Private Registry.
- Automating installation/configuration of all the services and nodes with Ansible.
- Deployed a monitoring system with PRTG ,Prometheus ,Grafana and Zabbix.
- Install, maintain and support DirectAdmin ,CPanel more than 30 website.
- Designed and implemented a backup and recovery .
- Deployed ELK stack for logging.
- Documentation of all the above.

## **EDUCATION**

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- **Associate in Software Engineering**
- Branch: Computer
- Institute/University: Azad University(Barajin)
- Qazvin, Iran

## **SKILLS & Projects**

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Skills: Bug Hunting & Owasp

### **Penetration Test**

For: Azki

August 2022

I hunted and reported two critical vulnerabilities like RCE and XSS(Store) from Azki insurance company

Link: <https://www.azki.com>

For: Pinvest

August 2022

I hunted and reported two vulnerabilities like RCE and Information Disclosed from Pinvest insurance company

Link: <https://pinvest.ir>