
Farzad Mohammadi

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Professional Summary

Experienced Software Engineer with a strong background in IPTV streaming, cloud infrastructure, and storage management. Proficient in Oracle DB, HLS streaming, and Nginx for content delivery and optimization. Passionate about DevOps, with a self-driven approach to learning Kubernetes, Git, and other modern DevOps practices. Extensive experience using FusionSphere OpenStack for cloud infrastructure management. Known for delivering scalable, high-availability solutions, improving operational efficiency, and implementing monitoring systems such as Zabbix and Grafana to ensure system performance and availability.

Key Skills

- IPTV streaming & Platform Engineering
- Oracle Database Management
- HLS streaming Technology
- Nginx Configuration & Optimization
- Kubernetes (self-taught)
- Git (Version Control)
- Storage & Infrastructure Management
- FusionSphere OpenStack
- Cloud Computing & Virtualization
- Shell Scripting (Bash, Shell)
- High Availability (HA) Systems
- ITIL Ticketing System
- Troubleshooting & Debugging
- Zabbix (Monitoring & alerting)
- Grafana (Dashboarding & Visualization)

Professional Experience

Software Engineer

Huawei Technologies | Tehran

2019 – Present

- *IPTV Streaming & Platform Engineering (2019 – Present)*
 - Led the development and optimization of IPTV streaming services, focusing on HLS streaming for high-quality content delivery.

- Managed and maintained Oracle DB for IPTV platform, optimizing database queries and improving performance for large-scale user data handling.
- Configured and optimized Nginx for content delivery, ensuring efficient video streaming and load balancing across the IPTV infrastructure.
- Ensured high-quality content delivery by optimizing streaming protocols and improving user experience, reducing latency, and increasing reliability.
- Collaborated with MTN teams to resolve service-related issues, ensuring smooth integration of IPTV solutions across their infrastructure.
- *Storage Engineer (2021 – present)*
 - Transitioned to focus on cloud storage management using FusionSphere OpenStack, Contributing to the deployment and optimization of storage solutions for MTN's infrastructure.
 - Managed and optimized storage resources in OpenStack environments, ensuring scalability, high availability, and fault tolerance.
 - Worked closely with MTN's IT team to troubleshoot and resolve storage-related issues through the ITIL ticketing system, ensuring SLA compliance and timely issue resolution.

Software Engineer

FWUTECH Company | Tehran

2017 – 2019

- Spearheaded the integration of telecom provisioning systems with charging systems, improving operational efficiency and system uptime for MCI Iran's SIM card services.
- Wrote, optimized, and maintained critical shell scripts for automating provisioning tasks, including banning users in debt based on data provided by the charging system. The script significantly reduced manual intervention and improved debt management processes.
- Ensured high availability (HA) in critical provisioning and charging services, contributing to minimal downtime and robust system performance during peak loads.
- Managed and optimized PostgreSQL databases to handle user data, billing records, and transaction logs efficiently, ensuring data integrity and quick access to critical information.
- Collaborated closely with cross-functional teams to troubleshoot and resolve complex issues, ensuring the seamless operation of telecom services.

Education

B.S. Telecom | Azad University | 2010 – 2014

M.S. MBA Strategy | Tehran University | 2015 - 2017

Certifications

Introduction to DevOps: <https://coursera.org/share/0829a03c4a97b32756514ddf7aa2c6e8>

Introduction to cloud computing: <https://coursera.org/share/8d5dd76f20bfac7c2b039186023a37e4>

Introduction to Agile development and Scrum: <https://coursera.org/share/f297ecf39f446e515d8c64a328f2aefd>

Technical skills

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| <ul style="list-style-type: none">• <i>Languages:</i> Bash Scripting, Python• <i>Databases:</i> Oracle, PostgreSQL, MongoDB• <i>Cloud Technologies:</i> FS Openstack• <i>OS:</i> Linux(SUSE enterprise, Redhat)• <i>Streaming Technologies:</i> HLS, DASH, ABR• <i>Web Servers:</i> NGINX | <ul style="list-style-type: none">• <i>Monitoring:</i> Zabbix, Grafana• <i>Tools:</i> Git, Docker• <i>Storage Management:</i> Huawei storages• <i>ITIL:</i> iCare Ticketing• <i>DevOps:</i> Kubernetes, Git, CI/CD |
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Personal Interests

- **Chess:** Enthusiastic chess player with a deep interest in strategy and problem-solving. Active on <https://www.chess.com/> with username [farzad659]
- **Wrestling:** Passionate about wrestling, with a deep interest in its strategy and techniques.
- **Running:** Enjoy running as a way to stay fit and improve endurance

Languages

Persian & Turkish: My mother tongues

English: highly proficient