

Amirhossein Shaerpour

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EDUCATION

Islamic Azad University, Central branch

Tehran, IR

Bachelor's Degree, Computer Software Engineering

Graduation Date: Oct 2025

WORK EXPERIENCE

MTN Irancell

Tehran, IR

Platform Engineer

Aug 2024 - Present

- Engineered and scaled Kubernetes clusters powering over 200 high-demand projects, optimizing for uptime, performance, and resiliency.
- Applied industry-standard Kubernetes practices to harden cluster security and reliability, incorporating RBAC, network segmentation, and resource governance.
- Provisioned and tuned RabbitMQ and Redis clusters to support intensive messaging and caching workloads across distributed systems.
- Oversaw administration of high-availability MinIO deployments, ensuring scalable object storage with fault tolerance across multiple nodes and disks.
- Directed operations of a 17-node ELK enterprise cluster, delivering robust log aggregation and analytics capabilities for mission-critical Irancell services.
- Configured and improved Fluent Bit agents for efficient log ingestion, transformation, and routing to ELK and SIEM systems, enabling actionable security intelligence.

Myket

Tehran, IR

Site Reliability Engineer

Dec 2023 - Apr 2024

- Established and administered a private APT repository to distribute internally compiled packages like Fail2Ban and Netfilter, maintaining secure and consistent delivery across systems.
- Developed a comprehensive monitoring stack with Prometheus and Alertmanager to track infrastructure health and mission-critical services.
- Engineered NGINX and HAProxy configurations with integrated caching and load balancing, improving system scalability, reducing backend server utilization by 80%, and increasing application performance.
- Compiled and maintained custom Linux packages for internal use, contributing upstream improvements to open-source projects to enhance maintainability and performance.

Agape-NGO

Tehran, IR

Devops Engineer

Jun 2023 - Jan 2025

- Orchestrated the lifecycle management of critical production services - GitLab, container registries, and VPN solutions - ensuring 99.99% uptime and zero critical security vulnerabilities reported in production for mission critical services
- Designed optimized multi-stage Dockerfiles for containerizing Next.js, React, and Laravel apps, cutting build times by 30%, reducing image size by 60%, and enabling faster, more consistent deployments across production and staging environments..
- Initiated observability infrastructure using Prometheus, Grafana, and Alertmanager, with custom alert rules to ensure timely detection of anomalies and outages.
- Automated backup procedures with Bash and Python scripts, covering databases and essential services to ensure data integrity and disaster recovery readiness.
- Provisioned and fine-tuned a centralized ELK stack, leveraging Elasticsearch, Fluent Bit, and Kibana for log aggregation, searchability, and real-time analytics.

ArazCloud

Tehran, IR

Devops Engineer

Oct 2022 - May 2023

- Provisioned and managed high-availability platforms (GitLab, container registries, databases), reducing build times by 30%, increasing release frequency, and driving continuous delivery across development teams

- Built and refined CI/CD pipelines for Django and React applications, streamlining build, testing, and deployment across environments.
- Administered scalable infrastructure on OpenStack, leveraging IaaS capabilities to support high-availability and elastic resource provisioning.
- Defined real-time monitoring and alerting solutions using Prometheus and Grafana, enabling early detection of system anomalies and service degradation.
- Automated key infrastructure processes using Bash, Python, and Ansible, enabling consistent deployments and reducing manual intervention across environments.

Sharif HPC

Tehran, IR

System Administrator

May 2022 - Oct 2022

- Delivered NOC support and incident response for cluster systems, achieving 99.99% uptime and significantly reducing mean time to resolution (MTTR).
- Monitored system health with Zabbix and executed server provisioning and decommissioning in VMware environments, contributing to improved cluster performance, stability, and resource optimization.

PROJECT EXPERIENCE

Canonical • cloud-init

Contributor

Feb 2025 - Present

- Contributed to the [cloud-init](#) open-source project by improving and maintaining Ansible module integration, making cloud instance provisioning faster and more reliable.

Ansible • collections

Contributor

Apr 2025 - Present

- Developed enhancements to the [hetzner.hcloud](#) Ansible module, reducing API call overhead and improving reliability, flexibility, and performance of infrastructure automation on Hetzner Cloud.

LANGUAGES

- English: Limited working proficiency