Ehsan Asadi DevOps Engineer

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PROFILE

Senior DevOps Engineer with 3+ years of hands-on experience architecting cloud-native, infrastructure, data infrastructure and automating end-to-end CI/CD pipelines, backed by a solid software-development foundation. Proven ability to design and operate large-scale, high-traffic environments with a focus on resilience, security, and performance.

Intresting:
- Passionate about advising and building production-ready infrastructure with best practices for startups and small businesses.
- Experienced in modernizing legacy systems and implementing scalable solutions.
- Driven to improve workflows and solve diverse operational challenges.

SKILLS

Soft Skills:
- Cross-functional collaboration, on-call incident management, troubleshooting, mentoring, documentation

Hard Skills:
- **Infrastructure & Orchestration:** Kubernetes, Docker, VMware ESXi, Proxmox KVM, Terraform, Vagrant, Ansible
- **Storage:** Ceph Storage, MinIO, OpenEBS, NFS, GlusterFS
- **CI/CD & Automation:** GitLab CI, Jenkins, Argo CD, Helm charts
- **Monitoring & Observability:** Prometheus, Grafana, Alertmanager, ELK/EFK Stack, Uptime-Kuma
- **Networking & Security:** BIND9 DNS, PowerDNS, HAProxy, Keepalive, Nginx, Traefik, OPNsense,PFsense, MikroTik RouterOS, Vault, Keycloak, Linux hardening, firewall management, VLAN segmentation
- **Databases & Data Platforms:** PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, ClickHouse, Hive Metastore, Trino, Apache Kafka, RabbitMQ, Apache NiFi, DataHub, GrowthBook
- **Operating Systems & Platforms:** Linux (Ubuntu, Debian)
- **Programming & Scripting:** Python (FastAPI, Django,DRF, Flask), Bash
- **Software Architecture and Design:** Microservices Architecture, Object-Oriented Programming (OOP), Design Patterns, SOLID Principles
- **Version Control & Collaboration:** Git, GitLab

PROFESSIONAL EXPERIENCE

DataOps Engineer, *SnappFood Company*   2024/10 – present | full-time
- **Maintained Kubernetes clusters** with 400+ CPU cores and 10TB RAM serving Data Engineering, Data Science, and Analytics teams.
- **Managed enterprise data infrastructure** processing 250M+ daily events. Built data lakes, warehouses, ETL/ELT pipelines, CDC and CDP.
- **Served as technical coordinator** and single point of contact for all infrastructure requests across data teams.
- **Achievements:**
  - Executed full data center migration with clean rebuilds and zero downtime
  - Implemented GitOps pipelines
  - Designed comprehensive monitoring and alerting systems
  - Optimized infrastructure performance and resource utilization
  - Maintained enterprise-grade availability across all components
  - Guaranteed high availability through 24/7 on-call ownership.

DevOps Engineer / Infrastructure Engineer, *AIO*
2024/01 – 2025/06 | part-time

- **Architected complete virtual infrastructure** deploying VMware ESXi and Proxmox KVM to support multiple production environments.
- **Implemented comprehensive platform ecosystem** including critical services, databases, and applications with strategic backup and disaster recovery solutions.
- **Served as sole infrastructure architect** managing end-to-end virtualization, networking, security, and 24/7 operational excellence.

Achievements:
- Built complete virtualized infrastructure from ground up
- Established network segmentation and security frameworks with firewall management
- Deployed comprehensive monitoring and alerting systems
- Designed disaster recovery strategies with backup automation
- Configured high-availability DNS resolution with load balancing
- Implemented data pipeline workflows for ingestion and transformation
- Established intrusion detection and access control policies.

DevOps Engineer, *SarafEx Company*
2023/09 – 2023/12 | part-time

- **Deployed and optimized containerized infrastructure** with Kubernetes orchestration, managing microservices and data workloads in secure production environments.

Achievements:
- Built Kubernetes architecture with integrated Ceph storage solutions
- Configured microservices infrastructure with Helm-based automation
- Applied security hardening and performance optimization standard

DevOps Engineer / SysOps Engineer, *Lifeweb Company*
2022/12 – 2024/10 | full-time

- **Architected and managed resilient Kubernetes clusters** with Ceph storage, ensuring high availability for critical applications through strategic capacity planning and disaster recovery.
- **Administered a fleet of 300+ Linux servers** on VMware ESXi, optimizing system performance and automating maintenance to enhance operational efficiency.

Achievements:
- Implemented automated CI/CD pipelines
- Established secure credential systems with Vault and Keycloak.
- Deployed ELK Stack and Prometheus for proactive issue resolution.
- Configured BIND9 DNS and email servers for compliant communication.
- Guaranteed high availability through 24/7 on-call ownership.

Python Developer, *Lifeweb Company*
2022/03 – 2022/12 | full-time

- **Built and maintained high-scale web crawling infrastructure** with distributed architecture for enterprise data extraction and processing.
- **Managed production server infrastructure** ensuring stable and secure environments through system hardening and troubleshooting.

Achievements:
- Developed distributed web crawling systems with RabbitMQ, MongoDB, and Elasticsearch integration
- Implemented high-performance solutions through multi-threading and distributed processing
- Established secure production environments with server configuration management

Back-End Engineer, *Aasood Company*
2021/07 – 2022/03 | full-time

- **Designed microservice-based e-commerce platform**
- **Led development processes** through code reviews and team mentoring for high-quality deliverables.

Achievements:
- Built scalable microservice architecture for e-commerce platform
- Implemented competitive intelligence systems through web crawling solutions
- Established development standards and team mentoring processes

Back-End Developer, *Pishdad Company*   2019/05 – 2020/02 | full-time
- **Developed online dry cleaning platform**

Achievements:
  - Managed Linux server infrastructure for application hosting
  - Contributed to frontend development

Web Developer, *Organization of Agricultural Engineering*   2017/02 – 2020/02 | part-time, Qazvin
and Natural Resources
- **Developed multiple web applications**
- **Maintained WordPress platforms**

Achievements:
  - Built automated project assignment system with dynamic form generation
  - Delivered responsive web solutions for organizational requirements

EDUCATION

M.Sc | Artificial Intelligence and Robotics   2019 – 2022

Bachelor | Software engineering   2015 – 2019