

Amir Khani *DevOps Engineer*

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📄 SUMMARY

DevOps & Infrastructure Engineer with over 4 years of comprehensive experience across software development and IT operations. Proven track record of modernizing legacy systems and migrating ERP applications to Cloud-Native, containerized Kubernetes environments. Skilled in bridging the gap between development and operations through CI/CD automation, security hardening, and maintaining production-grade reliability.

📁 PROFESSIONAL EXPERIENCE

DevOps Engineer, Tadvin Farayand Co. *📍* 12/2023 - 12/2025

- **Infrastructure Migration:** Architected the migration of a **microservices ERP** (50+ services) from 15 resource-heavy VMs to a 2-node **Kubernetes Cluster**, reducing infrastructure costs by 75%.
- **CI/CD Engineering:** Built an end-to-end **GitOps pipeline** using **GitLab CI** and **ArgoCD**, reducing deployment time **from days to minutes** for both backend and multi-repo frontend applications.
- **Observability & Monitoring:** Designed a robust observability pipeline utilizing **Prometheus, Loki, and Grafana**. Built custom dashboards for real-time resource and traffic visualization, while implementing proactive **alerting rules** with automated routing to Telegram Bot and internal issue trackers (Jira) to accelerate incident response.
- **Security & Traffic Management:** Standardized external traffic routing via **Nginx Ingress** and automated SSL issuance with **cert-manager**. Enhanced security posture by migrating hard-coded credentials to encrypted Kubernetes Secrets
- **Documentation:** Created a comprehensive knowledge base in **Confluence** outlining disaster recovery procedures, architectural standards, and deployment workflows.

Network & Systems Administrator 12/2023 - 12/2025

- **Hardware & Virtualization:** Managed on-premise data center infrastructure. Configured **VMware ESXi** to optimize resource allocation, directly enabling the deprecation of legacy VMs.
- **Network Security & Architecture:** Designed and secured internal networks using **MikroTik** and **pfSense**. Implemented **VLAN isolation** to segregate production traffic from Veeam-to-Synology backup pipelines.
- **Enterprise IT & Remote Access:** Administered Windows Server infrastructure (Active Directory, Domain Controller, internal DNS) for 40+ local endpoints. Established secure remote access for distributed developers utilizing WireGuard VPN and RustDesk.

Front-End Developer 06/2023 - 12/2023

- **ERP Front-End Development:** Engineered and maintained the frontend architecture for the company's core microservices ERP using **Angular** and **TypeScript**.
- **Cross-Functional Insight:** Leveraged deep understanding of the ERP's application logic to architect its eventual migration to a Cloud-Native infrastructure, acting as a crucial bridge between software constraints and DevOps operations.

Freelance Systems Administrator & Web Developer, Self-Employed 2021 – Present

- **Server Optimization:** Managed dedicated **Linux servers** for multiple commercial clients, optimizing **Apache, Nginx**, and **PHP-FPM** configurations to sustain 99.9% uptime.
- **Resource Consolidation:** Strategically migrated scattered shared-hosting clients into centralized, high-availability dedicated instances, maximizing I/O throughput and reducing collective hosting costs.
- **Full-Stack Implementation:** Developed and deployed custom PHP websites, gaining deep, hands-on expertise in Web Server Administration and Linux environment troubleshooting.

🔧 TECHNICAL SKILLS

Infrastructure & Cloud
Kubernetes, Docker, Helm, Linux, VMware ESXi & vSphere

CI/CD & Automation
GitLab CI/CD, ArgoCD (GitOps), Ansible, Harbor, Nexus

Observability
Prometheus, Grafana, Loki, ELK Concepts

Web Servers & Services
Nginx, Apache, PHP-FPM

Scripting & Development
Bash, Python, PHP, TypeScript, Angular

Networking & Security
MikroTik, pfSense, VLAN, Nginx Ingress, cert-manager

🎓 EDUCATION

B.Sc. in Computer Science 2022 – Present
Islamic Azad University, Science and Research Branch