Mojtaba Tavakolzadeh

Senior DevOps / Platform Engineer

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Profile

Lead DevOps & Platform Engineer with 7+ years of experience building cloud-native platforms, Kubernetes infrastructure, and enterprise CI/CD ecosystems. Proven experience leading DevOps teams, defining platform strategy, mentoring engineers, improving developer productivity, reducing cloud costs, and delivering secure, highly available production environments. Passionate about Platform Engineering, DevSecOps, Developer Experience, and scalable cloud architecture.

Technical Skills

- **Cloud & Container Platforms:** Kubernetes (K8s), Docker, Linux, NGINX, HAProxy, Traefik
- **CI/CD & GitOps:** GitLab CI/CD, GitHub Actions, Argo CD, Helm, GitOps
- **Infrastructure as Code (IaC):** Terraform, Ansible, Bash, Python
- **Platform Engineering:** Internal Developer Platform (IDP), Kubernetes Platform, Platform Automation, Developer Experience (DevEx), Platform Architecture
- **Observability & Monitoring:** Prometheus, Grafana, Loki, ELK Stack, Alertmanager
- **Security & DevSecOps:** HashiCorp Vault, Keycloak, SSO, OIDC, OAuth 2.0, TLS/PKI, CIS Benchmarks, Secrets Management
- **Networking:** TCP/IP, DNS, Load Balancing, Reverse Proxy, Service Discovery, Network Security
- **Databases & Messaging:** PostgreSQL, Redis, Kafka
- **Reliability & Operations:** High Availability (HA), Disaster Recovery (DR), Infrastructure Automation, Configuration Management, Incident Response, Production Operations
- **Version Control & Collaboration:** Git, GitHub, GitLab, Jira, Confluence

Experience

Utechia | DevOps Specialist __ Sep 2024 - July 2025

- Led cross-functional collaboration between Development, QA, Security, and Infrastructure teams, improving release quality and enabling predictable production deployments across multiple engineering squads.
- Led modernization of Kubernetes deployment workflows, improving deployment efficiency by 30% while increasing platform reliability and reducing operational overhead.
- Redesigned GitLab CI/CD pipelines, reducing deployment times by 20% and increasing release frequency across multiple production services
- Integrated comprehensive health checks and monitoring systems to enhance service observability
- Implemented Single Sign-On (SSO) across internal infrastructure, increasing security and user access efficiency by 80%
- Standardized infrastructure provisioning using Infrastructure as Code and Ansible, reducing manual operations by more than five hours per week and improving deployment consistency.
- Reduced infrastructure costs by 30% by optimizing cloud resource allocation, automating scaling, and eliminating unused services
- Established engineering documentation standards, reducing onboarding time and improving operational consistency.

Narvan Startup Studio (Agah Group) | DevOps Team Lead __ Sep 2022 - Sep 2024

- Led a team of DevOps engineers responsible for Kubernetes platforms, CI/CD ecosystems, observability, security, and production operations, supporting multiple engineering teams and mission-critical services.
- Defined the DevOps roadmap, platform standards, and engineering best practices, improving platform scalability, reliability, and developer productivity.
- Directed infrastructure compliance initiatives, contributing to Makna certification readiness and strengthening organizational security governance.
- Established and enforced CIS security benchmarks across Kubernetes and infrastructure environments, significantly improving the organization's security posture and compliance.
- Designed platform architecture, high-availability, and disaster recovery strategies, increasing service resilience and reducing operational risk.
- Collaborated with engineering leadership, software architects, and development teams to define platform requirements, optimize application performance, and improve service reliability.
- Led performance optimization initiatives, including PostgreSQL tuning and middleware optimization, reducing application latency and improving production stability.
- Standardized Infrastructure as Code, operational procedures, and engineering documentation, accelerating onboarding, reducing operational complexity, and improving platform consistency.
- Authored architecture documentation, technical standards, runbooks, and incident response procedures, enabling faster troubleshooting and knowledge sharing across engineering teams.
- Mentored DevOps engineers through technical guidance, architecture reviews, and knowledge-sharing sessions, fostering engineering growth and operational excellence.

DevOps Engineer __ Oct 2020 - Sep 2022

- Designed, implemented, and maintained end-to-end CI/CD pipelines, reducing deployment errors, accelerating release cycles, and improving software delivery reliability.
- Architected and managed secure network connectivity between microservices, internal platforms, and external services, ensuring secure and reliable inter-service communication.
- Built centralized observability platforms using metrics, logging, and alerting solutions, enabling proactive monitoring, faster incident detection, and reduced mean time to resolution (MTTR).
- Designed and automated backup, recovery, and disaster recovery solutions for mission-critical production systems, improving business continuity and infrastructure resilience.
- Provisioned and maintained isolated development, staging, and production environments, ensuring deployment consistency and supporting multiple engineering teams.
- Designed and deployed scalable, containerized microservices infrastructure across multiple environments, improving application reliability, scalability, and operational efficiency.
- Collaborated closely with software engineers to optimize deployment workflows, troubleshoot production issues, and enhance application performance and reliability.
- Automated infrastructure provisioning and operational workflows using Infrastructure as Code (IaC) and configuration management practices, reducing manual effort and improving environment consistency.

Kianis | System Administrator • Sep 2019 - Sep 2020

- Designed and maintained enterprise network infrastructure, ensuring reliable connectivity, security, and high availability across on-premises environments.
- Deployed and managed virtualization platforms to optimize resource utilization, simplify infrastructure management, and support production workloads.
- Performed regular backup and recovery operations for servers, applications, and configuration data, ensuring business continuity and data integrity.
- Managed file sharing services, user permissions, and access controls in accordance with organizational security policies.
- Monitored the health and performance of physical servers, virtual machines, network devices, and storage systems, proactively identifying and resolving infrastructure issues.
- Administered Linux and Windows server environments, performing system maintenance, patch management, and troubleshooting to ensure operational stability.

Projects

Amertka DevOps Yara (ADY) | Founder & Technical Lead __ Feb 2026 – Present

- Organize and lead the **DevOps League**, a community-driven technical competition that brings together DevOps and software engineering professionals, promotes knowledge sharing and peer learning, and provides hands-on experience through real-world DevOps and Cloud-Native challenges.
- Founded a DevOps consulting and education initiative delivering cloud architecture, CI/CD modernization, Kubernetes platform design, automation, and technical mentoring for software engineering teams.
- Collaborated on real-world production scenarios with senior engineers across multiple domains including QA, Backend, Frontend, Android, and Software Engineering teams for knowledge sharing and operational excellence
- Built reusable DevOps reference architectures, automation frameworks, and production-ready templates adopted by engineering teams.
- Delivered infrastructure consulting, CI/CD modernization, and cloud-native architecture guidance to software organizations
- Implemented and maintained public repositories, registries, and free DevOps resources/tools for developers and engineering communities
- Mentored junior DevOps engineers through hands-on guidance, technical support, and real project collaboration

FornaxEnergy | DevOps Consultant __ Des 2025 – July 2026

- Redesigned and optimized CI/CD pipelines to improve deployment speed, reliability, and release automation across development environments.
- Managed the complete lifecycle of AFTA certificates, including issuance, renewal, rotation, and integration with infrastructure and application services.
- Automated infrastructure provisioning, configuration management, and operational workflows using industry-standard Infrastructure as Code (IaC) and automation tools, reducing manual effort and improving consistency.
- Enhanced monitoring and observability platforms by implementing comprehensive metrics, logging, and alerting solutions, enabling proactive incident detection and faster issue resolution.
- Developed and maintained automation scripts to streamline deployments, system administration, operational tasks, and routine maintenance, improving overall operational efficiency.
- Collaborated with development and operations teams to troubleshoot production issues, optimize system performance, and ensure high availability of critical services.

Carpet Online Shop Tavakolzadeh | Founder & Technical Lead __ Oct 2025 – Feb 2026

- Founded and launched a self-hosted online carpet marketplace built on Odoo, owning platform architecture, infrastructure, deployment, and operations.
- Designed and operated production-grade infrastructure with a focus on scalability, security, high availability, and reliability.
- Customized Odoo modules and business workflows to streamline inventory management, order processing, and customer experience.
- Implemented Infrastructure as Code (IaC) and deployment automation, reducing manual provisioning effort and improving environment consistency.
- Built CI/CD pipelines using GitHub Actions for automated testing, container image builds, and deployment workflows.
- Containerized applications with Docker and managed Linux-based production environments.
- Implemented monitoring, logging, and observability solutions to proactively detect issues and improve operational visibility.
- Automated operational and maintenance tasks, reducing deployment time and minimizing configuration drift.
- Led the full software delivery lifecycle, including architecture design, infrastructure management, deployment automation, observability, and continuous improvement.

Smartech (Digikala Group) | DevOps Consultant __ July 2025 - Oct 2025

- Designed and implemented a scalable, highly available network architecture, improving infrastructure performance, resilience, and operational reliability.
- Introduced GitOps practices and automated deployment workflows, enabling version-controlled, repeatable releases and reducing deployment risk.
- Architected and deployed production-grade Kubernetes clusters for staging and production environments, leveraging automated provisioning and GitOps-driven application delivery.
- Automated infrastructure provisioning, configuration management, and operational workflows using Ansible, reducing manual effort by **70%** while improving consistency and maintainability.
- Modernized CI/CD pipelines, reducing deployment time by **40%**, increasing release reliability, and accelerating software delivery.
- Redesigned backup and disaster recovery strategies, reducing Recovery Time Objective (RTO) and strengthening business continuity and platform resilience.
- Collaborated with development and infrastructure teams to assess existing platforms, recommend architectural improvements, and implement DevOps best practices aligned with organizational goals.

Qualifications

Education

Bachelor's *Degree in Soft Eng*

Certificate

CompTIA Network+

Ansible Automation

Associate DevOps

Professional DevOps

Language

English *Professional Working Proficiency*

German *Basic*

French *Basic*