

Mohammad Hosein Kouhkan

DevOps / Platform Engineer

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Five years designing and building systems — software, Linux, and infrastructure — through independent work, public projects, and professional roles. Platform engineering is the current form of that work, not the beginning.

SKILLS

Languages:	Python, Bash, Go, Rust
Infrastructure:	Linux, Docker, Kubernetes, Nginx, Traefik, Podman
Network:	Network+, MikroTik, VPN architectures
CI/CD & GitOps:	Git, GitLab CI, GitHub Actions, Jenkins, Argo CD, Nexus
Observability:	Prometheus, Grafana, Loki, Graylog, k6
Storage & data:	PostgreSQL, Redis, MinIO, kafka, Elasticsearch, MongoDB
IaC & provisioning:	Terraform, Ansible, Cloud-Init
Virtualization:	VMware vSphere, ESXi, Veeam

EXPERIENCE

DevOps / Platform Engineer

Jul 2026 – Sep 2026

Amard – *analytics software*

- Operate Linux, VMware vSphere, and CI/CD platform infrastructure for production software delivery
- Expand GitOps, object storage, and log pipelines with Argo CD, MinIO, and Loki alongside Prometheus and Grafana

Technologies: Linux, Docker, Kubernetes, Argo CD, MinIO, Loki, Prometheus, Grafana, Graylog, Network+

Junior DevOps / Backend Developer

Oct 2025 – Apr 2026

Daraei – *fintech asset platform*

- Contributed to backend system design, microservices architecture, and PostgreSQL data modeling
- Designed CI/CD pipelines for backend, frontend, and Flutter services, with automated APK artifacts per push
- Ran self-hosted GitLab, GitLab Runner, and Jenkins so build and release did not depend on external SaaS
- Built Nexus package mirrors and organizational VPNs so delivery survived nationwide internet disruption
- Deployed Docker Swarm on VMware vSphere, automated Linux provisioning with Cloud-Init, and ran k6 load tests
- Set up Prometheus, Grafana, and Graylog for metrics and logs; ran Nginx as reverse proxy and load balancer

Technologies: PostgreSQL, Linux, Docker, Kubernetes, Docker Swarm, GitLab, Jenkins, Nginx, Prometheus, Grafana, Graylog, VMware vSphere, Cloud-Init, k6, Bash, Python

PROJECTS

Selected public repositories. Additional work at github.com/mamahoos

airbar-finance — github.com/mamahoos/airbar-finance

Go finance service for ledger, escrow, wallet, and payment-provider callbacks, with idempotency and a real promotion path

dot-files — github.com/mamahoos/dot-files

Reproducible Linux environment: the repo mirrors the filesystem, install converges with symlinks, and CI guards the installer

Composable Docker infrastructure — github.com/mamahoos/infra-traefik

Independent Traefik and PostgreSQL stacks that applications join, so TLS and database lifecycle stay out of every service repo

pacman-vpn — github.com/mamahoos/pacman-vpn

Containerized edge stack that joins existing Traefik and Postgres networks instead of bundling another proxy or database

pgsync — github.com/mamahoos/pgsync

One-shot pg_dump | psql sync with rsync-shaped flags, a GHCR Docker image, and ShellCheck/Bats CI through integration tests

EDUCATION

B.Sc. Computer Engineering

University of Mazandaran

Expected 2027