



Hoomaan Nemati

Senior DevOps Engineer

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Senior DevOps Engineer with 5+ years building scalable, automated infrastructure across multi-cloud environments. I standardize CI/CD (50+ repos), harden high-throughput deployments, and run centralized observability (Grafana Stack). Exploring MLOps to automate model training and inference.

Work Experience

Visiwise.co

May 2022 – Present

Senior DevOps Engineer

- Cut infrastructure costs by migrating workloads to ARM64 on Hetzner Cloud
- Designed scalable Swarm clusters for staging and production using Terragrunt, Terraform, and Ansible
- Improved deployment stability across 10+ projects by refactoring toward 12-Factor practices
- Delivered Postgres HA with PgCat; automated backups and zero-downtime migrations
- Centralized observability with Grafana/Loki/Prometheus; set up Grafana OnCall with escalation policies
- Standardized CI/CD; added review apps, scheduled E2E tests, and enabled Renovate for private registries
- Migrated uptime monitoring to BetterStack with escalation chains (call/SMS)
- Automated provisioning across environments; self-hosted Sentry and GitLab to reduce SaaS spend
- Migrated core services to Google Cloud Platform (GCP); operate multi-cloud across AWS, GCP, and Hetzner

Faraatar Entrepreneurship Group

Jul 2024 – Oct 2024

Senior DevOps Engineer (Contract)

- Built a multi-tenant CRM SaaS platform using Kubernetes and Terraform
- Standardized CI/CD pipelines for GitLab projects and environments
- Shipped a licensed CRM runtime for on-prem customers using Apptainer with encrypted containers
- Developed a Golang agent to securely fetch and run the latest licensed images while protecting source code

Smartech

Jan 2024 – Sep 2024

Senior DevOps Engineer

- Standardized CI/CD templates across 50+ repositories to unify deployment processes
- Deployed and managed Kafka clusters using Ansible, ensuring reliable event streaming
- Operated ClickHouse clusters with 50TB+ of time-series data for real-time analytics
- Automated ClickHouse backups and handled production schema migrations
- Built an automatically scalable RKE2 cluster on Hetzner with Terraform and Ansible
- Integrated Cluster Autoscaler to dynamically scale nodes based on workload
- Developed a Custom Pod Autoscaler (CPA) to scale workers based on Kafka consumer lag
- Created Kubernetes manifests for 20+ microservices and managed deployments via ArgoCD
- Automated server management for 50+ nodes with Ansible, covering firewall and user setups
- Maintained 100+ VMs and ensured availability of Kafka, ClickHouse, and ScyllaDB clusters

University of Tehran

Jul 2022 – Jun 2023

DevOps Engineer

- Provisioned a 20+ node HPC cluster using Terraform, Ansible, Slurm, Singularity, and Nvidia Enroot
- Optimized GPU workloads for 10+ researchers by integrating Nvidia Enroot with Slurm via Nvidia Pyxis
- Managed permissions and quotas for 200+ users and created 5+ resource-specific queues for jobs
- Deployed a Grafana monitoring stack to monitor cluster resources and workloads

Pishgam Vira

Mar 2022 – Jun 2022

DevOps Engineer

- Provisioned Docker Swarm clusters and database servers with Ansible across 3+ environments
- Wrote Docker Compose manifests for streamlined deployments
- Set up CI/CD pipelines for 5+ repositories using GitHub Actions
- Automated versioning with semantic-release

Mobtaker Darya

Nov 2019 – Jun 2022

Full-stack Developer & DevOps Engineer

- Maintained and developed the CCS project, generating 50+ reports with Crystal Reports and SQL Server
- Developed the Shaahin project with a ReactJS frontend and Hasura/PostgreSQL backend
- Implemented CI/CD pipelines using GitLab CI and Docker, IaC using Terraform and Ansible
- Provisioned servers with Kubernetes, writing manifests and packaging them in Helm Charts

ChaM (Chapar Messenger)

Dec 2013 – Aug 2018

Founder & Lead Developer

- Designed and developed an audio/video messaging platform using C, Erlang, and Java
- Implemented P2P connections and used Cassandra/ScyllaDB for chat data management
- Created a desktop client with Qt/QML (C++) and an Android app with Java and JNI
- Integrated FFMPEG for audio/video streaming with native APIs
- Managed full-stack development, including server infrastructure and client interfaces

Technical Skills

Programming Languages	C/C++, C#, Java, JavaScript, TypeScript, Python, Erlang, Golang, MATLAB
Storage & Database	PostgreSQL, MSSQL, MySQL, SQLite, ScyllaDB, ClickHouse, RabbitMQ, Kafka, Redis, MinIO
Container Orchestration	Podman, Docker, Docker Compose, Docker Swarm, Kubernetes (K3s, RKE2, EKS), Helm, Nomad
High Performance Computing	Slurm, Sun Grid Engine, Rocks Cluster, Nvidia Enroot, Nvidia Pyxis, Singularity, Apptainer
Infrastructure & Cloud	Terragrunt, Terraform, Ansible, Packer, ESXi, OpenStack, Hetzner Cloud, GCP, AWS
Monitoring & Alerting	Grafana, GrafanaOnCall, Prometheus, Promtail, OpenTelemetry, Loki, Mimir, Tempo, Alloy
CI/CD & Automation	DroneCI, GitlabCI, TravisCI, Github Actions, Azure Pipelines, ArgoCD, GitOps

Education

M.Sc in Computer Science

Sep 2021 – Aug 2024

University of Tehran

Thesis: Seizure detection from multi-channel EEG using Graph Neural Networks

B.Sc in Computer Science

Sep 2016 – Jan 2021

Kharazmi University

Graduated with strong academic performance

Languages

Persian	Native
English	Full professional proficiency
Deutsch	Elementary proficiency