








# Hossein Esmailzadeh

## DevOps Engineer


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Experienced Cloud DevOps Engineer with a strong background in Kubernetes, Docker, and AWS.. Proficient in implementing CI/CD pipelines and GitOps methodologies for cloud infrastructure management.. Skilled in Linux systems administration and troubleshooting.. Committed to continuous learning and keeping up-to-date with emerging technologies.. Proven track record of delivering high-quality solutions and collaborating effectively with cross-functional teams

### Experience

#### DevOps Mentoring

Devonix Team - Weekly Meeting


 Jun 2025 — Present

 Remote

- The Linux Command Line (LPIC-1) - Basic Linux Knowledge
- Docker Deep Dive - Containers and Deeper Linux Concepts
- The Kubernetes Book - Container Orchestration
- GitHub Actions/GitLab CI - CI/CD runners and Pipeline
- Monitoring - Prometheus and Grafana
- Cloud - AWS / GCP

#### DevOps Engineer

Sina Communication Systems Co - Full-time


 Aug 2024 — Present

 On-site

- Write and manage Jenkins pipelines
- Configuring agents and VMs for build and deploy
- Monitoring various micro-services
- Basic system hardening

#### NixOS System Administrator

Self-employed - Remote


 Sep 2023 — May 2025

 Remote

- Write and manage custom Nix package(s) and overlay(s)
- Boot-time (specialities) configuration and setup
- Create and manage isolated (test, deploy and development) environment

#### DevOps Engineer

Self-employed - Hybrid


 Apr 2022 — Jul 2024

 Remote

- Deploying RESTful web-apps on docker-compose and Kubernetes
- Custom nginx load-balancer
- Redis cache storage
- Storage volumes

#### DevOps Mentoring

Devonix Team - Weekly Meeting


 Sep 2021 — Aug 2022

 Remote

- LPIC-1 - Basic Linux Knowledge
- Docker Deep Dive - Containers and Deeper Linux Concepts
- Kubernetes in Action - Container Orchestration
- Pipeline as Code - CI/CD pipelines and Jenkins cookbook

#### Automation and Virtualization Specialist

RPS Cloud - Remote

 Jun 2022 — Sep 2022

 Remote

- Manage Multi-Node (clustering) proxmox hypervisor
- Port-Forwarding using IPtables

### Skills

Automation CI/CD Cloud Containerization  
DevOps GitOps IaaS IaC Linux UNIX  
Microservices SaaS Virtualization

### Tools

Ansible Awk Docker Git Grafana Helm  
Jenkins Kafka Kubernetes LVM Make Nginx  
Packer Prometheus Proxmox QEMU/KVM  
Terraform Traefik Vagrant

### Programming

Bash C Go Groovy Lua Perl Python Ruby

### Languages

English

### Certifications

LPIC 3 Virtualization and Containerization  
LPIC 3 High Availability and Storage Cluster  
RedHat Certified Engineer  
RedHat Certified System Administrator  
SUSE Certified Administrator  
LPIC 2  
LPIC 1

### Education

B.Sc. in Computer Science  
2020 - 2024 Azad University

- Automated shell script to use proxmox's API

## Linux System Administrator

Self-employed - Hybrid

📅 Sep 2020 — Sep 2024

📍 Remote

- Setup web-servers (e.g nginx, apache) on various Linux hosts
- Setup git and SMTP/IMAP servers
- Troubleshooting system and package manager
- Write custom services

## Projects

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### Gerrit Manifest Tool

[gitlab.com/hos-tools/auto-manifest.git](https://gitlab.com/hos-tools/auto-manifest.git)

- Add, Remove and Edit (projects, remotes, etc.) gerrit manifest file
- Simple Terminal User Interface (TUI)

### Git bare-repo and worktree manager

[gitlab.com/hos-tools/git-worktree.git](https://gitlab.com/hos-tools/git-worktree.git)

- Clone a git repository in bare
- Activate worktrees for each branch
- Run bulk-action on all worktree/branches

### Simple QEMU wrapper

[gitlab.com/hos-tools/virtual-manager.git](https://gitlab.com/hos-tools/virtual-manager.git)

- Wrapper around Type-2 QEMU hypervisor (with KVM acceleration enabled)
- Handle shared-folder
- Port-Forwarding
- VNC (headless) mode
- Save config in yaml format

### Git GPG key handler

[gitlab.com/hos-tools/git-config.git](https://gitlab.com/hos-tools/git-config.git)

- Manage GPG keys in a per-repo basis
- Optional commit message template and ssh-key settings
- Simple TUI

### Resume Template

[gitlab.com/primejade/hos-resume.git](https://gitlab.com/primejade/hos-resume.git)

- Automated CI/CD pipeline using Gitlab CI
- Pipeline triggers on new tags and not commits

### RESTful web-app with Database and Cache

[github.com/hossein-lap/example-test-project-day-01.git](https://github.com/hossein-lap/example-test-project-day-01.git)

- Simple RESTful web app written in golang
- Database (mysql) deployment with secret management in K8S cluster
- Redis cache with Autoscaler based on CPU usage and ConfigMap
- File-storage (persistent volume)