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   Security

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 maanger
- Write custom services

Projects

Gerrit Manifest Tool   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

- 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

- 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

- 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

- 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

- 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)