Amirabbas Rafieian

DevOps Engineer

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DevOps specialist passionate about developing and automating organizational processes. Excellent problem-solving skills and ability to perform well in a team. Looking to get better positions, as well as grow and develop my own skills as a DevOps engineer.

Skills

I already know

| Linux 5/5 | Ansible 4/5 | PostgreSQL 4/5 | Python 5/5 | Docker 4/5 |

| Kubernetes 3/5 | Redis 2/5 | GO 4/5 | Git 4/5 | Terraform 2/5 | GraphQL 1/5 |

C 3/5

I want to learn

OpenStack   Red Hat Open Shift   PostHog   MQTT   Qt

I speak

Persian native   English B2

Work experience

DevOps Engineer   October 2024 - now

Iranicard

- Automate installation and configuration of Etherium Core full nodes using Ansible playbooks, ensuring idempotent deployment.
- Monitor node health, blockchain sync status, and disk usage; implement alerting on sync failures or high latency.
- Collaborate with security teams to harden node servers and secure RPC interfaces.
- Design, develop, and maintain Ansible playbooks and roles to automate provisioning and configuration of Linux servers.
- Apply Dockerfile best practices: minimize layers, avoid unnecessary packages, and use official slim or Alpine base images to reduce image size and build times.

- Implement multi-stage builds and leverage Docker BuildKit to parallelize stages for faster builds.
- Develop and maintain CI/CD pipelines.
- Implement resource partitioning strategies to maximize GPU utilization and minimize fragmentation in multi-tenant environments.

Technologies: Python, Docker, Linux, Mikrotik, Ansible

Infrastructure Specialist
June 2023 - October 2024

Fanavaran Payesh Barzin Pasargad

- Network Design.
- Develop and deploy shovel positioning system.
- Develop and deploy e-maintenance system for dump trucks.
  in sarcheshmeh copper mine

Technologies: Python, Qt, Docker, Linux, Mikrotik, C

Infrastructure Specialist
July 2021 - April 2022

Artapardaz L.L.C

- Infrastructure and automation solutions for businesses.
- Setup and develop shared hosting solution for local businesses.
- System Administrator.
- Bare metal server configuration.
- Network Design.
- Support and troubleshoot local area networks.
- Setup and develop call centers.

Technologies: HP, VMware, cPanel, MariaDB, Python

Projects

IranExchange
November 2024 - now

Iran Exchange, one of Iran's leading digital asset trading platforms, was launched to make the new world of cryptocurrencies more accessible to Iranian users.

Demo: https://iranexchange.com

Technologies: Kubernetes, Docker, Redis, PostgreSQL, Ansible, Terraform

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HuHu
February 2024 - November 2024

A game-like education platform where the user encounters brief pieces of information including questions or educational content by preparing specialized courses or participating in short general information courses.

Demo: https://huhu.ir

Technologies: Kubernetes, Docker, Redis, PostgreSQL, Ansible

SmartHome   `January 2024 - August 2024`

SmartHome is optimized with esp-adf framework for esp a1s audio kit, which provides you with a set of services, a Persian audio assistant to control home appliances and communicate with smartphone apps.

Repository: https://github.com/imabas/esp-adf/tree/esp32-a1s-audio-kit

Technologies: C, MQTT, Python, Docker

Shovel deployment Status System   `November 2023 - August 2024`

Shovel deployment status monitoring system is a comprehensive system to reduce damages caused by mining shovels working in improper condition. This system includes a cross-platform desktop software for the shovel operator and a web-based management panel for mine managers and supervisors that can be accessed on the mine's local network.

Team size: 4 people

My role: Desktop Developer, Embedded Developer, DevOps Engineer

Company: Fanavaran Barzin

Category: Web app, Desktop app

Technologies: Python, Qt, C, Linux, Docker, Mikrotik

Education

Electrical engineering   `February 2024 - now`
Isfahan University of Technology

Bachelor's degree.

Electrical engineering   `September 2019 - September 2022`
Sharif University of Technology

Bachelor's degree senior student. Specialization in digital signal processing.