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## SADEGH HAYERI

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## Experience



**Yektanet**



**SRE**

May 2020 - Present

- Setup Postgres PITR / dump based backup solutions
- Setup filesystem backup using Restic and BorgBackup
- Setup Prometheus/Grafana monitoring/alerting system (+ using prometheus k8s operator)
- Migrate some services to Kubernetes cluster
- Setup CI/CD using Gitlab-CI and Spinnaker



**TAPSI**

**Software Engineer**

May 2019 - May 2020

- Worked on Dispatch/Line team
- Used Node.js and Python to write services base on micro-service architecture
- Worked on algorithmic based services which connects passengers to drivers
- Worked on high performance services to handle high loads of requests
- Worked on AI services like Line-Prediction and Acceptance-Prediction.
- Worked with MongoDB, Postgres and Redis.

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## Education



**University of Tehran, Tehran, Iran 2015-2019**

Undergraduate student of B.Sc. in Computer Engineering

### Teaching Assistantship

**Internet Engineering — Spring 2018**

Instructor: Dr. E.Khamespanah

**Real-Time Embedded Systems — Spring 2018**

Instructor: Dr. M.Kargahi

**Network Security — Spring 2018**

Instructor: Dr. M.Sayad

**Operating Systems — Fall 2017 & Spring 2018**

Instructor: Dr. M.Kargahi

**Computer networks — Spring 2017**

Instructor: Dr. A.Khonsari

**Artificial Intelligence — Fall 2017**

Instructor: Dr. H.Moradi

**Introduction to Computing Systems & Programming — Fall 2016 & Spring 2016**

Instructor: Dr. M.R.Hashemi & H.Moradi

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## Technical Skills

### Programming and Scripting:

Proficient in Node.js and Python

Familiar with Bash, C++ and Java

### Technologies:

Proficient in Kubernetes, Docker, NGINX, Prometheus

React, React-Native and Electron

### Databases:

Proficient in Redis, PostgreSQL

Familiar with MongoDB

## Notable Projects



### GreenTuneel Node.js

GreenTunnel bypasses DPI services without changing IP or server endpoints.



### Mili Bash

Mili is an open source tool for auto login to MikroTik routers with multi-user support.



### Cheapsi ReactNative

Android/IOS application for Snapp and Tapsi to save both your money and time.



### Self-Balancing-Robot Python, C++

A two-wheel self-balancing robot based on Arduino and RaspberryPi board.



### Dollabot Node.js

Dollabot is a user friendly Telegram bot to handle Alerts in an organization, It support message templates, subscribing, silences.

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