Amirhossein Najafizadeh

Software Engineer / SRE

I'm a mid-level software engineer with 4 years of experience in computers and networks fields. I always enjoy learning new things, and experiencing new situations. Priority of my job is so high for me, and I always put all of my effort to do the best I can.

Personal Information

Born: 2001
Military Service: Education Pardon
Marriage Statue: Single
Education: Computer Engineering Bachelor at Amirkabir University of Tehran

Contact Me

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Skills

Programming languages: Golang, Python, JavaScript, C, C++, Java, PHP, ShellScript, Smarty, Rust

Operating Systems: Linux, MacOS, Windows

Virtualization: QEMU, KVM, Libvirt, Containers, Docker, Podman, Kubernetes, Kind, OpenStack

Automation: Gitlab CI, Github actions, ArgoCD, Jenkins

Monitoring: Prometheus, Grafana, Elasticsearch, Kibana, Jaeger, Zap

Database & Storage: SQL/MySQL, MariaDB, PostgreSQL, MongoDB, Redis, Dragonfly, MinIO, S3, Ceph

Testing & Security: Unit-testing, K6, Load-testing, Test containers, Sonarqube, Nmap

Message brokers: NATS (STAN, JetStream), Kafka, RabbitMQ, EMQX

Version control & Configuration: Git, Makefile, Dockerfile, Docker-Compose, Ansible, HelmCharts, Kubernetes CRDs and Controllers

Design Patterns: Adaptor, Singleton, Object pool, Master worker

System Design: Rest API, gRPC, GraphQL, MVC, MVP, Micro-service

Networking: TLS/SSL, SSH, DNS, Firewall, TCP/UDP, WebRTC, NginX, HA Proxy

Work Experiences

SRE / Backend Developer at Snapp!

Jan 2023 - Present

Working as SRE Engineer and Backend Developer in Snappline! team at Snapp!
Role:
- Creating Gitlab CI pipelines
- Implementing OKD cronjobs, controllers, and CRDs
- Adding system observability by using Jaeger, ELK, Prometheus, and Grafana dashboards
- Managing payment modules. (Jibit, AP, Snapproom)
- Maintaining MinIO cluster for storing product reports and daily transactions

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Backend Developer at Snapp!

March 2022 - Jan 2023 (9 month)

Working as Software Engineer in Dispatching team at Snapp!
Role:
- Maintenance of NATS, EMQX, and Kafka clusters
- Developing Snapp! chat service
- Maintaining Snapp! push notification service
- Developing Snapp! in app call service
- Maintaining Snapp! in cluster events which was more than 10 million events in a day

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Backend Trainee at Snapp!

Jan 2022 - March 2022 (3 mounth)

Learned: Agile developing, Jira, TDD, Golang, Microservice, Kubernetes, OpenShift, Gitlab CI/CD, ArgoCD, NATS, EMQX

Projects

official-stallion

View Organization

Implementing my own message broker with Golang. With exporter, load tester, metrics exporter, dashboard, helm charts, python, and javascript SDKs.

amirhnajafiz/pods-watcher

View Repository

Creating a kubernetes controller for monitoring pods resource usages based on rules, and send emails in case of violations.

snapp-incubator/charlie

View Repository

A method for executing python scripts on Kubernetes (cronjobs) as fast as possible.

snapp-incubator/mqtt-blackbox-exporter

View Repository

Blackbox exporter for MQTT broker, using Prometheus and Jaeger.

amirhnajafiz/cloud-provider

View Repository

Creating a simple cloud provider using python, qemu, and rabbitMQ.

amirhnajafiz/cronjob-charts

View Repository

Helm charts for creating your cronjobs on OKD.

Courses and Certificates

Laravel Bootcamp at MaktabSharif

Learned: PHP, Laravel, MVC, MySQL, Redis, MongoDB, NginX, Docker, VM

6 Months

Docker / Kubernetes / Helm Charts at KodeKloud

Learned: Containers, Docker, Swarm, Kubernetes, Kubernetes Administration, Helm Charts, Istio

128 Hours

Hands on Containers, Docker, and OKD at IBM

Learned: Containers, Docker, Kubernetes, OKD

64 hours