europass

Serhat Furkan CALIK

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ABOUT ME

I live in Ankara, Turkey, and I love working as a DevOps engineer because DevOps has always been my hobby. I have my homelab with an OpenShift cluster, which I monitor with DataDog, and I'm constantly trying to learn new technologies and tools. Learning is never-ending, and because of that, I really love my job. In my free time, I enjoy walking in the forests, playing guitar, and watching series and films. P.S. I've even automated my film and series download structure :)

WORK EXPERIENCE

STEALTH COMPANY – UNITED STATES

DEVOPS ENGINEER – 03/04/2022 – CURRENT

I primarily maintained infrastructure and monitoring systems. Our monitoring stack consisted of Grafana, Prometheus, Loki, InfluxDB, and Telegraf. For infrastructure as code (IaC), we utilized Terraform, Packer, and Ansible to create and manage our infrastructure. Additionally, I worked with GitLab CI for continuous integration and continuous deployment (CI/CD) automation, creating pipelines for building, security analysis, and deployment. Our backend was Nodejs-based, and we utilized Postgresql, Elasticsearch, and RabbitMQ for various functionalities.
Tasks:

- Monitoring systems with Zabbix
  - a. Created alerts for Zabbix
  - b. Created actions for alerts
- Ansible role
  - c. Created/refactored roles for automation
- Ansible deployment
  - d. Created/refactored playbooks for deploys
- GitLab Management
  - e. User, Project, Runner management and version management
- Gitlab CI
  - f. Created NodeJS build and deploy scripts
- Docker
  - g. Created Nodejs docker files for building
- GCP
  - h. Managed Compute VMs with Terraform
  - i. Managed Networks with Terraform
- Scripting (Bash)
  - j. Created alert for upcoming expiring certificates
  - k. Automating gitlab functions user adding, project assignment
- App monitoring
  - l. Sentry, Signoz, ELK, EFK
- Terraform
  - m. Deploying servers with terraform and ansible to the GCP.
- Openshift (OKD)

COMODO CYBER SECURITY – ANKARA, TURKEY

DEVOPS ENGINEER – 28/11/2021 – 11/11/2022

I was responsible for managing automation across CI/CD pipelines using Jenkins, GitLab CI, and Cloud Build. Our monitoring stack comprised Prometheus, Grafana, and the Blackbox Exporter. Additionally, I handled GKE and Helm charts for Kubernetes orchestration. I worked extensively with languages such as Golang, Node.js, Java, and Python within our pipelines. For security, I utilized Trivy for package-based vulnerability scanning and managed AWS landing zones for teams. On AWS, I deployed services such as ECS, EBS, EC2, IAM, and Route53 for our secondary environment using Terraform.
Tasks:

- CI/CD Pipelines with Gitlab CI

a. NodeJS build and deploy
b. Lambda build and deploy
c. C++ build and deploy
d. Go build and deploy
e. Java build and deploy
- Terraform
  f. Managing Vultr,AWS,GCP VMs
- Puppet
  g. Managing VMs with puppet
  h. Writing custom modules
- Ansible
  i. Playbooks, maintaining, refactoring
- Database migrations
  j. PostgreSQL,MongoDB,Cassandra migration
- Managing kubernetes cluster
  k. I created clusters with kubespray for our dev environment
  l. Managed GKE and vanilla kubernetes on Cloud
- Creating docker images
  m. Created Dockerfiles for Nodejs,Go,C++,Java
- Worked as SRE engineer
  n. Monitored systems on GKE,AWS
  o. Created alarms for systems
- Grafana / Prometheus
  p. Monitored endpoints
  q. Monitored Certifications
  r. Monitored nodes
- ELK
  s. Used for App monitoring java etc.
- AWS / GCP systems
  t. GKE,ECS,EBS,Lambda,Pubsub,Bigtable,Cloudbuild
- Server migrations
  u. Migrated 500VMs from bare metal hypervisors to Vultr with Terraform and Puppet
- Scripting(Bash)
  v. Created scripts for automated mail for outages
- Test scripts Selenium (Python)
  w. Created Endpoint tests for projects
- Jenkins
  x. Created pipelines for C++,Java

ZIRAAT TEKNOLOJI – ISTANBUL, TURKEY

DEVOPS ENGINEER (OUTSOURCE) – 05/09/2021 – 25/11/2021

In my role, I managed an OCP cluster and its associated automation tasks. I leveraged Azure DevOps, GitLab CI, and Concourse CI for automation purposes. One of my key strategies was utilizing template Helm charts for each project, which streamlined the process of publishing microservices to the OCP environment efficiently.
Tasks:

- Monitoring system and clusters
- CI/CD with Concourse / Azure DevOps
  a. Created build and deploy scripts for flutter, C#
- Backup / Restore
  b. Created backup and restore script to MINIO storage
- Scripting(Bash)
- Docker
  c. Created dockerfiles for flutter,C#
- Kubernetes
  d. Maintained and managed OCP multiple clusters which was over than 100 nodes.
- OpenShift Container Platform

AGROVISIO – ANKARA, TURKEY

DEV OPS – 13/01/2018 – 04/09/2021

I utilized Ansible to create new servers using base playbooks tailored for each environment, ensuring consistent setup and deployment of users and applications with the latest versions. Infrastructure management was handled through ESXi and Proxmox. For monitoring, I employed Elasticsearch, Grafana, Prometheus, and the Blackbox Exporter. Additionally, I implemented GitLab CI for automated testing, deployment, and security analysis.
Tasks:

1. Linux System Administrator

    a. Redhat,Ubuntu,Centos
2. Docker
    a. Created Dockerfiles for Nodejs,C++
    b. Created docker-compose files
3. Virtualization(ESXi,Proxmox)
    a. Created VMs and maintain them
    b. Maintained and updated versions of systems
4. Firewall (UFW,pfSense)
    a. Created firewall rules
    b. Created WAF rules
5. Server initialization
    a. Server initialization with ansible
    b. Configuring templates
6. Networking
    a. Created internal networking for baremetal servers
    b. Created VPN for reaching internal network.
7. Backup/Restore
    a. Created backup restore scripts with bash for mongoDB
8. Scripting (Bash,Shell)
9. Python
10. Java
11. Flutter
12. Ansible
    a. Playbooks,maintaining,refactoring scripts
13. CI/CD
    a. Gitlab CI to build and deploy to the servers
    b. Used multi stage dockerfiles and bash scripts to deploy with zero downtime.

LANGUAGE SKILLS

Mother tongue(s): **TURKISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

EDUCATION AND TRAINING

10/02/2016 – 13/09/2021 Konya, Turkey
COMPUTER ENGINEER KTO Karatay Universitesi

Address Akabe Mah. Alaaddin Kap Cad. No:130, 42020, Konya, Turkey | **Website** https://karatay.edu.tr/

SKILLS

Virtualization

Proxmox VE | VMware ESXi/vSphere | Qemu/KVM

Operating Systems

Linux | Windows Server

Programming

Java Programming language | Visual Studio / Visual Studio Code | Flutter | React, TypeScript, Java (Intermediate) | Backend - Golang | Object-Oriented Programming | Programmin language PYTHON | JavaScript | Comfortable with Golang

Dev Ops

System Administration | Provide server monitoring with Zabbix | BlackBox Exporter | Firewalls (UFW, iptables, pfSense, Windows Firewall) | GIT (GitHub) | Nginx | Ansible | Concourse CI | CICD tools(Jenkins GitLab CI) |

Openshift Container Platform | Github Actions | GITLAB RUNNER | ELK (Elasticsearch + Logstash + Kibana) | Red Hat Enterprise Linux | CI/CD using Jenkins | GITLAB CI | Fortigate Firewalls | Microsoft Azure (Azure Datafactory, Azure DevOps, Azure Storage Explorer) | Ansible, Terraform | Grafana Loki | Automation (Ansible, Puppet) | Prometheus, Alertmanager, Grafana | Docker & Kubernetes

Office

Office software: Microsoft Office, WPS office, LibreOffice, Open Office

Database

MariaDB/MySQL | MongoDB Query Language | postgresSQL

Cloud Computing/Administration

GCP(Google Cloud Platform) | AWS administration

PROJECTS

Gitlab

Link https://gitlab.com/users/serhatcalik/projects