Serdarcan Büyükdereli

Devops and Cloud Engineer

SUMMARY

DevOps engineer with 5 years of experience. In this process, I worked on many projects on Kubernetes , Microservice and AWS. I enjoy improving myself and contributing to my team. I am an adaptable, fast problem solver and ambitious team player.

EXPERIENCE

arabam.com, Ankara — Senior *DevOps Engineer*

SEPTEMBER 2023 - PRESENT

· Docker, Kubernetes, Helm, Ansible, Terraform, Keycloak and management.

· GitOps integration and management.

· Postgresql , Kafka, Redis integration and management

· AWS Terraform , Terragrunt integration and management.

· Prometheus with Consul integration and management.

Insider, Ankara — *DevOps Engineer*

DECEMBER 2021 - SEPTEMBER 2023

· AWS(EC2,ECS,S3,ACM,EB,Lambda,EKS,Route53,CloudWatch) management.

· EKS Cluster, Helm integration and management.

· Migrate from Elastic Beanstalk to AWS ECS

· AWS Terraform , Terragrunt integration and management.

PRIVATE INFO

Birth Date: 30.09.1994
Marital Status: Married
Military Service: Completed
Driving License: B Class
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COURSES and CERTIFICATES

Certified Kubernetes Administrator — 2023

White Hat Hacker — 2019

MTCNA — 2018

MTCIPv6E — 2018

Work And Travel — 2017

LANGUAGES

· English

BİTES – Defense & Aerospace Technologies, Ankara —
DevOps Engineer

DECEMBER 2020 - DECEMBER 2021

· Docker, Kubernetes, Helm, Ansible, Envoy integration and management.

· AWS(EC2,ECS,S3,ACM,CloudFront,Route53,CloudWatch) management.

· DigitalOcean Kubernetes.

· Postgresql , Minio, Redis integration and management.

· Zabbix integration and management.

TURK AI, Ankara — *DevOps Engineer*

OCTOBER 2020 - DECEMBER 2020

· Docker, Kubernetes, Gitlab CI/CD , Istio Gateway ,Nexus integration and management.

· Microservice integration and management.

· Postgresql , Minio, Redis, Rabbitmq integration and management.

EXPERIENCE

Netgsm Communication and Information Technologies Inc. , Ankara — *DevOps Engineer*

JANUARY 2018 - AUGUST 2020

· Proxmox,Vmware, KVM integration and management.

· Router,Switch integration and management.

· Firewall, Mail Server integration and management.

· Docker, Kubernetes, Gitlab CI/CD integration and management.

· Microservice architecture integration .

· Prometheus , ELK stack integration and management.

· Bash, Python scripting.

Netgsm Communication and Information Technologies Inc. , Ankara — *Intern*

OCTOBER 2017 - JANUARY 2018

· Network and Linux

EDUCATION

Süleyman Demirel University, Isparta — *Bachelor Degree — Electronics and Communication Engineering*

SEPTEMBER 2012 - JANUARY 2018

PROJECTS

Netsantral's Docker and Kubernetes Integration — *Netgsm Communication and Information Technologies Inc.*

· Netsantral was dockerized from a monolithic architecture.

· Macvlan technologies was integrated with Kubernetes.

· Netgsm's undetermined 13 servers have been reduced to 6 stable servers by using Kubernetes Orchestrator.

Gitlab CI/CD — *Netgsm Communication and Information Technologies Inc.*

· Projects which were written in Php and Java have been integrated with Gitlab CI/CD processes on Kubernetes.

Prometheus Monitoring System — *Netgsm Communication and Information Technologies Inc.*

· System health and status of Kubernetes Clusters have been monitorized with Prometheus and Grafana

· Custom Prometheus node exporters have been written via python scripts.

· Required alarms have been created for warning Developers and Devops team via AlertManager.

ELK Log System — *Netgsm Communication and Information Technologies Inc.*

· ELK stack was integrated with Kubernetes.

· Innumerous UDP logs have been transferred to Redis and Rsyslog to reduce complexity time.

Netsantral's Microservice Architecture Integration — *Netgsm Communication and Information Technologies Inc.*

· Netsantral was divided into 8 microservices and integrated with Kubernetes.

· Netsantral has been adapted to on-premise installations through Kubernetes.

Nexus Integration — *TURK AI*

· Nexus used Private Docker Registry, Maven, Pypi for private networks.

Kubernetes Istio Service Mesh — *TURK AI*

· Istio Service Mesh was used for Ingress, Monitor and Service Architecture.

Xpermeet's Helm and Kubernetes Integration — *BITES-Defense & Aerospace Technologies*

· Dockerized Xpermeet integrated on DigitalOcean Kubernetes.

· Prometheus was used for monitoring and Custom HPA .

• Wrote Helm Chart Template to automatically on-prem setups, saving %40 admin time.

Zabbix Monitoring System — *BITES-Defense & Aerospace Technologies*

• Zabbix Monitoring system installed on EC2 server.

• Alarms which were triggered on Zabbix have been reflected on the Discord platform.

Php,Go Applications on AWS ECS — *Insider*

• Php Laravel and Go applications created Dockerfile and scripts.

• Deployed with Codepipeline and Codebuild. Created with Terragrunt.

• ECS cluster was created with Terraform and Terragrunt.

Aws Resource Tag for Costs Lambda Function — *Insider*

• Lambda Function checked all resources tags.

• Submitted missing tagged resources to Slack

Base Image Builder — *Insider*

• Dockerfiles are automatically deployed to AWS ECR.

• ECR scanned vulnerability cheats were sent from Slack.

EKS Test Deployment — *Insider*

• EKS Cluster created with Terragrunt.

• Application's Helm and Kubernetes Integration.