MEHMET KÜLAHCI
DEVOPS ENGINEER

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GitHub : https://github.com/MehmetKulahci

SUMMARY

4+ years of experience in IT including 1+ in ERP, 2+ System Network and 1+ years in **DevOps** and **Project Management**. Passionate about automation of IT processes. Designing and building effective **Continuous Integration and Delivery (CI/CD) pipelines** using **containerization**, **orchestration**, **monitoring**, infrastructure automation tools, configuration management tools, and **AWS** solutions. Able to use **Jira** as a project management tool and Agile methodology as a project management method. Highly adaptable, flexible professional who embraces teamwork but also likes to work independently. Armed with remarkable problem solving, multitasking, and time management abilities.

PROFESSIONAL EXPERIENCE

Pronic Yazılım   Sep 2022 – Present

Product and DevOps Specialist

- Installation of Windows Server 2016-2019 and configuration of MSSQL Server.

- Financial reporting with SQL (view, function, trigger, and stored procedure) and installation/configuration as NoSQL DynamoDB on AWS

- Creating customer workflow with e-flow

- Installation, configuration, and ERP consulting

- IT system troubleshooting

- Hands-on experience in AWS provisioning and solid knowledge of AWS services like **EC2**, **S3**, **ELB**, **RDS**, IAM, Route 53, VPC, Autoscaling, CloudFront, Cloud Watch, Cloud Formation, Security Groups, **EKS**, **ECR**, and coding applications with **Python**.

- Built and Managed AWS infrastructure As A Code with **Cloud Formation**.

- Worked on **Containerization** and Virtualization Projects with **Docker** and **Kubernetes** via **Terraform**.

- Create and maintain fully automated **CI/CD pipelines** for code deployment using **Jenkins** and **Git**.

- Automated the build & deployments for many applications from end-to-end using **CI/CD** strategies with various DevOps tools and technologies.

- Monitor, analyze, and report performance statistics for cloud-hosted environments by using **AWS Cloud Watch**, **Prometheus**, **Grafana**.

- Built and configured 200+ EC2 instances on AWS cloud platform, the configuration of elastic load balancer (ELB) for traffic control for the EC2 instances and S3.

- Used **Maven** as build tools on Java projects for the development of build artifacts on the source code.

Çemrek Bilgi Teknolojileri   May 2020 – Sep 2021

System And Network Specialist

- Install and manage firewalls (Pfsense, bqnet, Fortigate) SSL VPN configuration.

- Installation and management of Veeam Backup and Replication.

- Installation and administration of virtualization software. (VirtualBox, Hyper-V, VMware ESX)

- Lenovo, HPE, and Dell server installation and configuration.

- Installation of 10+ Windows Server 2016-2019.

- Provision for network topology creation and improvement.

- Unifi and Tp-link wireless network configuration

- Installation and management of IP cameras, analog cameras, NVRs, and DVRs.

- IT support services
- Setup and configuration of Lenovo servers with VMware, creating factory LAN, configuring Fortigate and configuring IP CCTV, NVR.

Tekno-Erciyes Bilişim   Apr 2019 – Mar 2020

System And Network Specialist (Co-Founder)

- Installing and managing more than 10+ firewall (Pfsense, bqnet, Fortigate)
- Configuration of an SSL VPN.
- Installation and administration of virtualization software. (VirtualBox, Hyper-V, VMware ESX)
- Lenovo, HPE, and Dell server installation and configuration.
- Installation of Windows Server 2016-2019.
- Provision for network topology creation and improvement.
- Configuring a wireless network with Unifi and Tp-link
- Installation and management of IP cameras, analog cameras, NVRs, and DVRs.
- IT support service

PROJECTS

Kubernetes Microservice Phonebook:

Phonebook Microservice Web Application aims to create a web application with MySQL Database using Docker and Kubernetes to give the understanding of Microservice architecture. In this application, there is a frontend service and a backend service to interact with database service. Each service will be managed by a Kubernetes deployment. The backend service will be a gateway for the application, and it will serve the necessary web pages for create, delete and update operations while the frontend service will serve a search page in order to conduct read operations. To preserve the data in the database, persistent volume and persistent volume claim concepts adopted.

Bookstore API:

Bookstore Web API Application with MySQL created a bookstore web service using Docker for containerization of an application. The application code is deployed as a RESTful web service with Flask using Dockerfile and Docker Compose on AWS EC2 Instance using Terraform.

Phonebook Application:

A Phonebook Application is created in Python and deployed as a web application with Flask on AWS Application Load Balancer (ALB) with Auto Scaling Group (ASG) of Elastic Compute Cloud (EC2) Instances and Relational Database Service (RDS) using AWS Cloudformation Service.

AWS Project:

A web application written by Django Framework on AWS Cloud Infrastructure and deployed as a Blog Page Application. It has ALB with ASG of EC2 Instances and RDS on defined VPC, around which S3, Lambda and DynamoDB services are set. In addition, the Cloudfront and Route 53 services are located.

TECHNICAL SKILLS

Python | SQL | HTML | CSS | **Linux** | Git | GitHub | **Cloud(AWS)** | CloudFormation | **EC2** | ECR | DynamoDB | CloudFront | S3 | API GW | **Lambda** | EFS | Boto3 | CloudWatch | **RDS** | MariaDB | **ALB with ASG** | Apache | **Nginx** | Snapshots | Volumes | VPC | Route53 | Certificate Manager | IAM | AMI | Jenkins | **Docker** | **Kubernetes** | Jira | Slack | **Ansible** | **Terraform** | Scrum/Kanban | VMWARE

SOFT SKILLS

Motivation | Initiative | Leadership | Teamwork | Flexibility | Critical Thinking | Problem Solving |

EDUCATION

- **Erciyes University**   Sept 2014 - July 2018

Electrical-Electronic Engineering

- **Anatolia University**   Sept 2011 - July 2013

Bachelor of Business Management

CERTIFICATIONS

- AWS/DevOps Course Certificate   Feb 2023
- Zero to Hero Docker Certificate, UDEMY   Sept 2022
- SQL Server Certificate, BTK Academy   Agu 2021

LANGUAGES:

- Turkish : Native
- English : B1