Emre Özdemir

+90 552 7473225 | **mr.ozdemir4@gmail.com** | **linkedin.com/in/ozdemiree/** | **github.com/mrozdemir4**

AWS DEVOPS ENGINEER

I worked as an engineer in different locations and projects for six years. Thanks to the experience I have gained during this period, I am a qualified professional engineer with analytical ability, fast decision making, detailed perspective, and strong communication skills, a good team member. I have blended these skills I have with qualified AWS & DevOps training and I continue my career as a DevOps Engineer with high technical knowledge and experience, always aiming to contribute positively. As DevOps Engineer, I effectively use AWS in the cloud field and Docker, Docker Swarm, Kubernetes, Terraform, Ansible, Jenkins, Maven, Grafana, and Prometheus programs in the field of DevOps in the projects I have participated in. As an engineer aiming to continuously improve his technical knowledge and skills, I have been developing my career life with the excitement of taking office in new and different projects.

PROFESSIONAL SKILLS

• Teamwork	• Confidence	• Perseverance and motivation
• Perfectionism	• Organization	• Ability to work under pressure

SOFTWARE SKILLS

• AWS Compute (EC2, Lambda, Elastic Beanstalk)

• AWS Storage (S3)

• AWS Database (RDS, DynamoDB)

• AWS Networking & Content Delivery (VPC, CloudFront, Route 53, API Gateway)

• AWS Management & Governance (CloudFormation, CloudWatch, AWS Auto Scaling)

• AWS Security, Identity & Compliance (IAM, Certificate Manager)

• AWS Application Integration (Simple Notification Service-SNS, Simple Queue Service-SQS)

• AWS Containers (Elastic Kubernetes Service-EKS, Elastic Container Service-ECS, Elastic Container Registry-ECR)

• Linux	• Python	• Docker
• Docker Swarm	• Kubernetes	• Terraform
• Ansible	• Jenkins	• Maven
• Grafana	• Prometheus	• Nexus
• Jira	• MySQL	• HTML5
• GitHub	• Helm	• Rancher

PROJECTS

- Distributed version of the Spring PetClinic Sample Application built with Spring Cloud

In this project, which consists of Unit Test, Functional Tests, Manual QA, Staging Environment and Production Environment sections, respectively, we aimed to create a complete CI / CD Pipeline for microservice based applications using Spring Petclinic Microservices Application. We used Jenkins Server as CI / CD Server to create pipelines distributed on Elastic Compute Cloud (EC2) Instance using Maven, Docker, Docker Swarm, Selenium, ECR, Ansible, Kubernetes, Rancher, Route 53, Prometheus and Grafana applications.

- Microservice Architecture for Phonebook Web Application (Python Flask) with MySQL using Kubernetes

We aimed to create a web application with MySQL Database using Docker and Kubernetes to better understand the understanding of microservice architecture. In this application we have a front-end service and a back-end service to interact with the database service. Each service will be managed by a Kubernetes distribution. The backend service will be a gateway for the application and will provide the necessary web pages for creation, deletion, and update, while the front-end service will provide a search page for processing readings. We have adopted the concepts of persistent volume and persistent volume demand to protect data in the database. As a cloud engineer, I deployed the application on an AWS EC2 Cloud Server using Docker and Kubernetes to showcase our project.

- Jenkins Pipeline for Dockerized Phonebook Application (Python Flask & MySQL) Deployed on Docker Swarm

In this project, we aimed to create a Jenkins pipeline by pulling application images from the AWS Elastic Container Registry (ECR) repository to deploy the Phone Book Application web application on Docker Swarm and Elastic Compute Cloud (EC2) Cloud Servers. As a cloud engineer, I built a Jenkins pipeline to deploy the Phonebook App in the development environment in Docker Swarm on AWS EC2 Instances using AWS Cloudformation Service to showcase the project.

- Dockerization of Bookstore Web API (Python Flask) with MySQL

We aimed to create a bookstore web service using Docker to see the understanding of dockerization with our team. We deployed the application code as a RESTful web service with Flask using Dockerfile and Docker Compose on AWS EC2 Instance using AWS Cloudformation Service.

- Phonebook Application (Python Flask) deployed on AWS Application Load Balancer with Auto Scaling and Relational Database Service using AWS Cloudformation

The Phonebook Application aims to create a phonebook application in Python and deployed as a web application with Flask on AWS Application Load Balancer with Auto Scaling Group of Elastic Compute Cloud (EC2) Instances and Relational Database Service (RDS) using AWS Cloudformation Service.

- Kittens Carousel Static Website deployed on AWS Cloudfront, S3 and Route 53 using Cloudformation

Kittens Carousel is a static website application deployed on AWS Simple Storage Service (S3), served through Cloudfront and Route 53 using AWS Cloudformation Service.

EDUCATION AND TECHNICAL PROFICIENCIES

• 05/2020 – 12/2020 AWS DevOps Engineer
　　　　　　　　Clarusway LLC – Virginia, USA

• 2010 – 2014 Bachelor of Geodesy and Photogrammetry Engineering
　　　　　　　　Yildiz Technical University - Istanbul, Turkey

PROFESSIONAL EXPERIENCE

• 12/2020 – 02/2021 AWS DevOps Engineer - Intern
　Clarusway LLC, Virginia, USA

I worked as a DevOps Engineer in the Clarusway technical team that produces new hands-on and projects. In DevOps training, I helped our students with all kinds of technical issues they need in their mentoring activities. As a DevOps Engineer, I ensure the operation and distribution of the relevant cloud and development programs for the healthy progress and finalization of our applied work and the projects we created.

• 07/2017 – 10/2019 Geodesy and Photogrammetry Engineer
　The Istanbul Metropolitan Municipality, Istanbul, Turkey

I worked as a field control engineer and team leader in different regions of Istanbul within the scope of infrastructure renovation works. I conducted research, gathered information from multiple sources and presented results.

• 12/2016 – 07/2017 Geodesy and Photogrammetry Engineer
　AYZ Survey Engineering, Istanbul, Turkey

I contributed to the construction projects with point coordinates and height(slope) measurements for the buildings to be built correctly within the scope of the project in the superstructure works.

• 05/2015 – 11/2016 Geodesy and Photogrammetry Engineer
　The Erzurum Metropolitan Municipality, Erzurum, Turkey

I worked as a team leader in preparing development plans using AutoCAD and NetCad programs with the measurement data obtained during the urban transformation and expropriation works. I conducted research, gathered information from multiple sources and presented results.

LANGUAGES

Turkish, English, Korean

INTERESTS

TED Talks, Reading and Vocalizing Poems, Space Research, National Cultures, Listen Music, Play Chess

REFERANCES

Sr. Data Scientist Merve Tunçer (Doğuş Teknoloji) – 05353837116
Sr. Software Engineer Yusuf Tatlı (Turkcell) – 05332100371
Sr. Security Expert M. Muhittin Maç (Garanti Teknoloji) – 05063490315
Founder of Moso Plus Cemal Alçık - 05324072550