

MEHMET ODABASI

DEVOPS ENGINEER / AWS SOLUTIONS ARCHITECT

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Portfolio : <https://www.mehmetodabasi.net>

SUMMARY

Having 3+ years of experience in IT and 1+ in **DevOps and AWS Cloud services**. Certified Kubernetes Administrator, Certified Cloud Practitioner and Solutions Architect Associate. Passionate about 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 DevOps engineer who embraces teamwork but also likes to work independently.

PROFESSIONAL EXPERIENCE

- 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 **Terraform and Cloud Formation** in 10+ projects.
- Worked on **Containerization** and Virtualization Projects with **Docker** and **Kubernetes**.
- Created and maintained fully automated **CI/CD pipelines** for code deployment using **Jenkins** and **Git**.
- Wrote **Ansible** playbooks and modules to deploy, configure, and manage servers.
- Automated the build & deployments for applications from end-to-end using **CI/CD** strategies with various DevOps tools and technologies.
- Monitored, analyzed, and reported 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.

TECHNICAL SKILLS

Kubernetes | **Docker** | **Cloud (AWS)** | Python | SQL | HTML | CSS | **Linux** | Git | GitHub | 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 | Jira | Slack | **Ansible** | **Terraform** | Scrum/Kanban

SOFT SKILLS

Self-Motivated | Resilience | Project Management | Planning | Time Management | Adaptability | Continuous Learning | Collaboration & Teamwork | Coaching Mindset | Curiosity | Leadership | Communication

PROJECTS

Microservice Project:

In this project, fully automated microservices application is used. Dockerized Web Application is developed in Java Springboot and Spring Cloud Frameworks and integrated with MySQL database. The project is to create full microservices, CI/CD Pipelines, and deployment on a Kubernetes cluster with monitoring. Kubernetes cluster is created and managed with Rancher. Jenkins is used as the CI/CD automation tool and created all the infrastructure on AWS EC2 Service. Also, GitHub is used as the version control system during the whole process. Base branches namely master, dev, and release are prepared for the DevOps cycle.

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.

AWS Blogging 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 dedicated VPC, around which S3, Lambda and DynamoDB services are set. In addition, the Cloudfront and Route 53 services are located.

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.

Kittens Carousel Static Website:

Kittens Carousel Static Website application deployed with Apache Web Server on AWS Elastic Compute Cloud (EC2) Instance using AWS CloudFormation Service.

EDUCATION

PhD. University of North Texas

June 2006 – August 2010

College of Information

MS. University of Louisville

December 2004-August 2006

Justice Administration

CERTIFICATIONS

- Certified Kubernetes Administrator (CKA)
- AWS Certified Cloud Practitioner
- AWS Certified Solutions Architect Associate
- Atlassian Jira Fundamentals Badge
- Numerous LinkedIn Learning certifications in DevOps such as Jenkins,

LANGUAGES:

- English: Advanced
- Turkish: Native

CAREER HEADLINES

- Worked in supervisory positions (as lieutenant, sergeant, captain, major, and chief) in Law Enforcement Agencies for 20 years
- Supervised Law Enforcement IT department for over 4 years
- Retired as a police chief in 2022
- Worked as academic personnel for teaching IT related courses for over 10 years
- Completed graduate studies in Information Science in the United States and have experience in multiple fields
- Created more than 35 Devops and AWS related content on medium website