

# Yılmaz AKMAN

## Solution Architect / DevOps Engineer

2 year of experience in IT industry with diversified exposure to design, development and cloud implementation. Proficiency in design, deployment and operation of highly available, scalable and fault tolerant systems using AWS (Amazon Web Services), CI/CD, and DevOps processes.



### Personal Info

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### Skills

AWS	●●●●○
Kubernetes	●●●●○
Ansible	●●●●○
Jenkins	●●●●○
Docker	●●●●○
Terraform	●●●●○
MAVEN	●●●○○
Git	●●●○○
MySQL	●●●○○
Python	●●●○○



### Education

2011-Muğla SıtkıKoçman University  
2017 Mining Engineering

2020-ClouDIAR School  
2020 AWS Solution Architect/DevOps



### Certificates

2020-08- AWS Certified Solutions  
Architect - Associate



### Professional Summary and Experience

#### Work Experience

- 09/2020 - 01/2021: T-Soft E-Commerce Systems – DevOps Engineer
- 01/2021 - 04/2021: TAZI AI Systems – DevOps Engineer
- 04/2021 – Present: SmartMessage – DevOps Engineer

#### Professional Summary

- Proficient in design, deployment and operation of highly available, scalable and fault tolerant systems using **AWS** (Amazon Web Services).
- Experienced in deployment, data security and troubleshooting of the applications using **AWS services**.
- Hands on experience with AWS services like **EC2, S3, VPC, ELB, Auto Scaling Groups, Route 53, IAM, CloudTrail, CloudWatch, CloudFormation, CloudFront, SNS, and RDS**.
- Experienced in implementation of domain name service (DNS) through **Route 53** to have highly available and scalable applications.
- Expertise in creating **EBS** volumes for storing application files for use with **EC2** instances whenever they are mounted to them.
- Expertise in creating snapshots to take backups of the volumes and images to store launch configurations of the **EC2** instances.
- Experienced in implementing Organization DevOps strategy in various operating environments of Linux and Windows servers along with cloud strategies of **Amazon Web Services**.
- Proficient in writing **CFT** (Cloud Formation Templates) in **YAML** and **JSON** format to build the **AWS** services with the paradigm of Infrastructure as a Code.
- Experienced with event-driven and scheduled **AWS Lambda** functions to trigger various **AWS** resources.
- Experienced with installation of **AWS CLI** to control various **AWS** services through **SHELL/BASH** scripting.
- Experienced in creating **Amazon RDS instances** to serve data through servers for responding to requests.
- Implemented **Amazon RDS multi-AZ** for automatic failover and high availability at the database tier.
- Working knowledge and experience in setting up relational and **NoSQL** databases like **MySQL, SQLServer, Oracle, DynamoDB, MongoDB**.
- Expertise in deployment of **MySQL** database on **EKS** in **AWS** using deployment for failover replica.

- Maintained the monitoring and alerting of production and corporate servers using **Amazon CloudWatch** service.
- Experienced with event-driven and scheduled **AWS Lambda** functions to trigger various AWS resources.
- Experienced on implementing **Elastic Kubernetes** Services hosted in AWS and deploying different application on it.
- Proficiency in delivering **Kubernetes** cluster using **Kops** and **EKS** on AWS and deploying **Elasticsearch**, **FluentD** and **Kibana** for **monitoring** and **logging**.
- Experienced on implementing **Elastic Kubernetes** Services hosted in AWS and deploying different application on it.
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- Experienced in writing and building **Dockerfiles** for different purposes and building container with docker-compose utilities.
- Experienced in working on several **Docker** components like **Docker Engine** and **Docker Hub**.
- Experience in working with **Docker** container infrastructure to encapsulate code into a file system with abstraction and automation.
- Experience in writing **Jenkinsfiles** for different purposes.
- Experience in developing and building **Ansible Playbooks** for Configuration Management.
- Experienced in working with configuration management tool **Ansible** and **CI/CD** (Continuous Integration and Continuous Delivery) tool **Jenkins**.
- Sound knowledge and experience in working on **CI/CD** tool **Jenkins** to automate the build process from version control tool into testing and production environment.
- Working experience in **CI/CD** process implementation using **Jenkins** along with **Python** to automate routine jobs.
- Proficiency creating **Ansible roles** in order to increase **reusability** and **modularity**.
- Expertise in integrating **Terraform** with **Ansible** to deploy PostgreSQL on multiple EC2 instances.
- Working experience in writing templates for **AWS** infrastructure as a code using **Terraform** to build staging and production environments.
- Experience in scheduling tasks using **Cron** jobs.
- Up to date knowledge experience with scripting **Python** coding language to automate backup strategy for various AWS resources.
- Experience in working with various operating systems like **Linux**, **RHEL**, **Ubuntu**, **Windows**, **CentOS**.
- Experienced in version control and source code management tools like **GIT**.



