

# Emre Aktaş

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## SUMMARY

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Having 3+ years of experience in DevOps and passionate about the automation of IT processes.

Designing and building effective CI/CD pipelines using containerization, orchestration, monitoring, infrastructure automation tools, and cloud solutions.

Strong understanding of cloud-native technologies and platforms, with hands-on experience in AWS, GCP, and Azure environments.

Monitored, analyzed, and reported performance statistics for cloud-hosted environments by using AWS Cloud Watch, Prometheus, Grafana.

Adept at applying Agile methodologies to project management.

With strong problem-solving skills and a passion for continuous learning.

## EDUCATION

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**TURKISH AIR FORCE ACADEMY**

*Computer Engineering*

September 2008 – August 2012

## SKILLS

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**Languages:** Python, JAVA, Bash

**Tools:** AWS Cloud, Terraform, Ansible, Docker, Kubernetes, Jenkins, Prometheus, Grafana

**Technologies:** Linux, ChatGPT, Google, Slack vs.

**Others:** Git, Nexus, Maven,

## WORK EXPERIENCE

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**Akim Metal R&D Center** | *DevOps Engineer*

May 2024 – Present

- Experience with troubleshooting and debugging **Docker** containers.
- Implemented continuous integration and continuous delivery (CI/CD) pipelines using **Jenkins** and other tools, resulting in a 40 % improvement in release velocity..
- Experienced in installing, configuring and updating **Nginx**.
- Effectively configure Nginx to improve the performance of web servers.
- Used **Grafana** to visualize **Prometheus** metrics, resulting in a 50 % reduction in the time required to identify and resolve performance issues.

- Various hands-on and project experience with all mentioned DevOps tools as well as in-depth training on AWS as a cloud technology.
- Developed and maintained custom **Terraform** modules and plugins, resulting in a 25 % improvement in infrastructure management efficiency.
- Including networking experience with container orchestration, scaling, and in **Kubernetes**. Hands-on experience on creating and managing pods, services, deployments and **helm**.
- Designed and implemented **Ansible-based** disaster recovery solutions.

## PROJECTS

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### **Kubernetes**

- Developed a web application with Docker and Kubernetes, integrating MySQL database.
- Created frontend and backend services managed by Kubernetes deployments.
- Utilized persistent volume and persistent volume claim for data preservation.

### **AWS Infrastructure**

- The infrastructure has Application Load Balancer with Auto Scaling Group of Elastic Compute Cloud (EC2) Instances and Relational Database Service (RDS) on defined VPC.
- Also, The Cloudfront and Route 53 services are located in front of the architecture and manage the traffic in secure, able to upload pictures and videos on own blog page and these are kept on S3 Bucket.
- Organized the project's structure to create a sustainable architecture among components, services, and modules.

### **CAPSTONE Project** | *JAVA, Spring Boot, Kubernetes, Jenkins, Terraform*

- Developed robust backend services in Java, ensuring high performance and maintainability for core business logic.
- Designed and implemented a CI/CD pipeline using Jenkins, facilitating seamless build, test, and deployment processes.
- Automated infrastructure provisioning and management with Terraform, ensuring consistent and reliable cloud resources.
- Implemented a scalable container orchestration platform using Kubernetes, enabling efficient deployment and management of microservices.

## CERTIFICATIONS

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- **Kubernetes temelleri - Udemy**
- **AWS & DevOps Certification - Clarusway**