

# BÜŞRA TURĞUT

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## ABOUT ME

I am a Computer Engineering student in my third year, also pursuing a second degree in Business Administration. I have a strong passion for DevOps technologies and continuously work on improving my skills in this field. I'm particularly interested in cloud systems, automation, and infrastructure management. Currently, I'm learning Terraform and preparing for the CKA (Certified Kubernetes Administrator) exam. I am a calm, dedicated, and solution-oriented person who enjoys learning new technologies and optimizing systems.

## EDUCATION

### **Cumhuriyet University — Computer Engineering (3rd Year) 2022 – Ongoing**

- Focused on software development, computer systems, and cloud technologies.
- Currently enhancing skills in DevOps and automation.

### **Ataturk University — Business Administration (Second Year) 2023 – Ongoing**

- Studying Business Administration to combine technical skills with business and management knowledge to build a versatile career.

## EXPERIENCE

### **Sufle DevOps Mentorship Program – Internship Apr 2025 – July 2025**

- Gained hands-on experience with Linux terminal commands and basic shell scripting.
- Learned Docker architecture, image creation, and multi-container management with Docker Compose.
- Practiced deploying applications on Kubernetes using Minikube and kubectl.
- Understood core Kubernetes concepts like pods, services, and deployments.
- Acquired foundational knowledge of cloud computing models (IaaS, PaaS, SaaS).
- Gained entry-level experience with AWS services such as EC2 and S3.
- Built awareness of modern DevOps tools and container-based deployment workflows.

## **Tubitak Rocket Project – Developer** *Sept 2024 – June 2025*

- Collaborated with a teammate to develop the ground station software using C#.
- Designed and implemented algorithms for real-time data acquisition and processing.
- Integrated software with various hardware components, including sensors and communication modules.
- Contributed to project management and documentation.

## **PROJECTS**

### **Simple Web App Deployment on AWS EKS with Docker** *2025*

- Containerized a simple Flask web application using Docker, pushed it to AWS ECR, and deployed it on AWS EKS using Kubernetes.
- Configured Deployment and LoadBalancer Service to make the application publicly accessible.
- Demonstrated ability to work with cloud infrastructure, containerization, and Kubernetes orchestration.

### **High-Performance Static Web Hosting with AWS S3, CloudFront, and Route 53** *2026*

- Architected and Deployed a highly available static website using AWS S3 for storage and hosting.
- Implemented AWS CloudFront (CDN) to provide global content delivery, ensuring low latency and improved performance through edge locations.
- Configured Route 53 for domain management and DNS routing, integrating it with CloudFront to enable secure HTTPS access.
- Managed SSL/TLS Certificates via AWS Certificate Manager (ACM) to ensure end-to-end encryption and web security.
- Optimized Hosting Costs by utilizing a serverless architecture, eliminating the need for traditional web servers.
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### **Scalable Three-Tier Web Architecture on AWS | 2026**

- Architected and Deployed a robust three-tier web application consisting of presentation, application, and data layers to ensure clear separation of concerns.

- Implemented High Availability by distributing resources across multiple Availability Zones (AZs) within a custom VPC, utilizing Public and Private Subnets for enhanced security.
- Configured Elastic Load Balancing (ELB) and Auto Scaling Groups (ASG) to manage horizontal scaling and ensure the application handles variable traffic loads efficiently.
- Deployed a Managed Database layer using Amazon RDS with Multi-AZ configuration, ensuring data persistence, automated failovers, and high reliability.
- Enforced Network Security by implementing granular Security Groups and Network ACLs to strictly control traffic flow between the web, application, and database tiers.
- Demonstrated Expertise in enterprise-level cloud design patterns, focusing on fault tolerance, security isolation, and infrastructure scalability.

## SKILLS

- **DevOps & Cloud Technologies:** AWS, Docker, Kubernetes, Linux, Git & GitHub
- **Programming Languages:** Python, Java
- **Tools & Platforms:** Visual Studio Code, AWS Management Console, Linux Terminal
- **Languages:** Turkish (Native), English (B1), German (A2)
- **Soft Skills:** Problem-solving, teamwork, time management, adaptability, communication
- **Other:** Basic knowledge of business management and project coordination

## CERTIFICATIONS

- **AWS Certified Cloud Practitioner** – Issued: Oct 2025
- **Huawei Cloud Certified Developer Associate (HCCDA)** – In Progress

## REFERENCES

**Hidayet Takci** Head of the Department of Computer Engineering

Phone: 0532 663 5315

**Mert Telli** Senior Devops Engineer – Arabam.com

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**Fatih Koçyiğit** - Senior Cloud Engineer - Ereteam