Musa Emir Dogan

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Skills

- **Cloud:** AWS (EC2, EKS, S3, TGW, Direct Connect, Lambda), DigitalOcean
- **IaC & DevOps:** Terraform, Terragrunt, CI/CD, Docker, Kubernetes, Helm, Linux
- **Networking:** VPC, Cloud Network, Direct Connect, Transit Gateway
- **Observability:** New Relic, Fluent Bit, OpenSearch
- **Programming:** Python, C, Bash

Experience

- **Sufle Teknoloji A.Ş.**   Istanbul, Turkey
  Cloud & Platform Engineer   December 2024 - present

  As a Cloud & Platform Engineer, I work closely with teams to design, implement, and maintain scalable, reliable, and secure cloud infrastructure.
  - Design and operate cloud-based architectures on AWS.
  - Manage AWS production infrastructure with Terragrunt and optimize Infrastructure as Code workflows.
  - Migrate MSSQL databases to Amazon RDS, reducing operational workload and costs by 50%.
  - Build Kubernetes environments from scratch with integrations such as Karpenter, Metric Server, Ingress Nginx, AWS Load Balancer Controller, and Cert-Manager.
  - Automate microservices deployment using Bitbucket CI/CD pipelines.
  - Set up logging, metrics, and alert systems in New Relic, and monitor performance during on-call rotations.
  - Improve log analytics capabilities by developing Fluent Bit – OpenSearch log forwarding and parsing.
  - Built centralized internet egress and inspection architecture across multiple AWS accounts using Transit Gateway and Direct Connect.
  - Managed inbound and outbound internet traffic via centralized inspection VPCs.
  - Deployed and operated Palo Alto NGFW on AWS with Gateway Load Balancer (GWLB).
  - Increase team efficiency by reducing customer request delivery time by 50%.

- **Yönetilen Bilgi Sistemleri A.Ş.**   Istanbul, Turkey
  Software Engineer Intern   June 2024 - September 2024
  - Analyzing and manipulating structured data using SQL queries.
  - Performing data extraction and analysis through web scraping with BeautifulSoup and Selenium.
  - Automating routine tasks and data collection processes using Python-based tools.
  - Increase Linux workflows by 30% by writing scripts with Bash.

- **EtruscAI**   Istanbul, Turkey
  Machine Learning Engineer Intern   January 2024 - March 2024
  - Built and fine-tuned a large language model (LLM) based on the DeBERTa architecture to detect and extract Personally Identifiable Information (PII) in text data for a Kaggle competition
  - Contributed to exploratory data analysis (EDA), including dataset inspection, preprocessing, and identifying key patterns affecting model performance

Education

- **Istanbul Aydın University**   Istanbul, Turkey
  Bachelor's Degree in Management Information System   2022 - Present

- **42 Istanbul Software School | école 42**   Istanbul, Turkey
  Cadet Student   2023 - 2025

Certifications

- **AWS Certified Cloud Practitioner**
- Validation Number:
  f0ec748aaa414fecad12b3e7ccc0c8e9

- **AWS Certified AI Practitioner**
- Validation Number:
  2776442b99da4c6b8e3364613528cc84

Projects & Posts

All of my personal projects and researchs are open source and published on https://github.com/memirdogan

AKBIS (RenaByte) – Blood Donation Platform | Teknofest

Healthcare Technology Project
- Developed a secure blood donation platform connecting donors with patients in need.
- Designed and implemented the entire cloud, DevOps, and automation lifecycle.
- Built scalable and secure cloud infrastructure to ensure reliability and sustainability.
- Implemented secure donor–recipient matching logic with a strong focus on data privacy and trust.
- Created for the Teknofest "Technology for Humanity" competition.

Sunoa – E-Commerce Platform

Modern Web & E-Commerce Project
- Developed a modern e-commerce platform for premium sunscreen products.
- Built with Next.js 15, React 19, and TypeScript using a JAMstack architecture.
- Implemented static site generation (SSG) for improved performance and SEO.
- Designed a scalable and maintainable frontend architecture with a focus on user experience.

Minikube-2048 – Kubernetes Deployment Project

Cloud Native & Kubernetes
- Deployed the 2048 game on Kubernetes using Minikube.
- Managed application configuration and resource limits for Kubernetes workloads.
- Integrated secure secret management using Helm.
- Demonstrated hands-on Kubernetes deployment and configuration practices.

Volunteering

AWS User Group Istanbul
October 2025 - Present

Co-Organizer / Community Lead
- Co-founded and actively manage the AWS User Group Istanbul community.
- Organize AWS and cloud-native events, including hands-on labs and technical workshops.
- Bring together cloud engineers, developers, and practitioners to share AWS best practices.
- Coordinate speakers, content, and community-driven knowledge sharing initiatives.

RenaByte
Jul 2024 - Present

Team Lead
- Co-founded a TEKNOFEST health-tech team with the vision "Reviving Hope with Technology."
- Led the team to TEKNOFEST 2025 semi-finals (1st in Istanbul, 7th nationwide among 120 teams).
- Managed a multidisciplinary team including web, mobile, backend, database, and research members.
- Led project management, task distribution, and team coordination using Agile methodologies.
- Owned product management and stakeholder communication for healthcare initiatives.

Google Developer Student Clubs
August 2023 - June 2024

Co-Lead
- Served as Google Developer Student Clubs Co-Lead, managing and growing student community
- Organized Coffee Talk events, meetups, and Cloud Horizon content production
- Delivered software courses, presented Build with AI talks, and spoke at technical webinars
- Created team collaboration projects and managed collaborative development processes
- Coordinated Google technologies workshops and hands-on training sessions
- Organized mentorship programs and networking events for student development

T3 AI'LE
August 2024 - Present

Community Volunteer
- Contribute to the development and adoption of Turkey's indigenous generative AI initiatives.
- Support integration of AI technologies into real-world services.
- Participate in activities aimed at building a skilled and competent AI workforce.
- Support community events, workshops, and knowledge-sharing initiatives.