Emre Döşlü

Computer Engineering | Software & Cloud Infrastructure

Ankara, Türkiye | +90 535 024 4424 | emre.doslu@metu.edu.tr

Professional Summary

Computer Engineering student at Middle East Technical University with practical experience in software development, cloud infrastructure, and distributed storage systems. Currently contributing to cloud service deployments, infrastructure operations, and monitoring at TÜBİTAK ULAKBİM. Experienced with Linux, OpenStack, Ceph, Python, Java, and C++.

Professional Experience

TÜBİTAK ULAKBİM | Candidate Researcher Jan 2026 – Present
University IT Infrastructures (UBA) – Cloud Team Ankara

uba.ulakbim.gov.tr

- Contribute to the deployment, configuration, and operation of open-source cloud services, including physical server infrastructure, virtualization, and troubleshooting.
- Work with OpenStack-based IaaS infrastructure and Ceph distributed storage systems, including RADOSGW and S3-compatible object storage services.
- Develop Grafana dashboards using Prometheus metrics to monitor storage capacity, tenant-level utilization, and backup activity.
- Analyze Veeam backup patterns to identify inefficient full backup operations, investigate storage I/O load, and evaluate capacity consumption.
- Use Python and OpenSearch queries to analyze operational data and storage usage patterns.

TÜBİTAK ULAKBİM | Software Development Intern Sep 2025
Database & Software Development Ankara

- Developed RESTful API functionality using Java and Spring Boot for querying, processing, and filtering academic publication datasets.
- Worked with database queries and backend application development.

Bites Defence | Software Development & Test Intern Jul 2025 – Aug 2025
Altay Tank Data Management System Ankara

- Implemented automated unit tests using C++ and Qt Test, developed test scenarios, and contributed to software verification and debugging processes.

Selected Technical Projects

Ceph Distributed Storage Cluster *Ceph, RADOSGW, S3, Linux*

- Independently deployed a Ceph cluster and configured S3-compatible object storage through RADOSGW, testing bucket and object operations.

OpenStack Infrastructure & Automation *OpenStack, OpenTofu, Linux*

- Configured virtual machines, networks, routers, security groups, and floating IPs; practiced Infrastructure as Code (IaC) with OpenTofu.

Backend & iOS Application Development *Spring Boot, MariaDB, SwiftUI*

- Built a RESTful task management API with Java/Spring Boot and developed an iOS budget tracking application using SwiftUI.

Technical Skills

Programming: Python, Java, C/C++, SQL, JavaScript, Swift
Cloud & Infrastructure: OpenStack, Ceph, RADOSGW, S3, Linux, Docker, OpenTofu
Monitoring & Backup: Grafana, Prometheus, OpenSearch, Veeam
Development: Spring Boot, REST APIs, Qt, Git, MariaDB, MongoDB

Education

Middle East Technical University (METU) 2021 – Present
B.Sc. in Computer Engineering

Awards & Achievements

1st Place – Akbank Case Marathon March 2025
Led a multidisciplinary team in designing a gamified virtual stock market platform focused on financial literacy.

Languages

Turkish (Native), English (Professional Working Proficiency), Mandarin Chinese (Basic)