Ömer Can Gümüş

Cloud Computing & AIOps

Personal details

Ömer Can Gümüş

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Skills

- C#
- .NET
- Software Design
- Artificial Intelligence
- C
- Gamemaker
- Python
- Pixelart
- AWS
- Cloud Architecture
- Docker

Profile

I am Ömer Can Gümüş, a third-year Software Engineering student at Fırat University and a Part-Time AIOps Engineer at Beko Corporate. My passion for technology has evolved into a focused career path in **Cloud Computing, Artificial Intelligence, and AIOps**.

I specialize in building intelligent and automated cloud solutions, with hands-on experience in **AWS, Docker, and Python**. My technical approach focuses on integrating AI into IT operations to improve efficiency, reliability, and scalability. At **Beko Corporate**, I apply these skills within a **large-scale enterprise environment**, contributing to data-driven initiatives and cloud-based operational solutions.

Known for my adaptability and attention to detail, I am committed to continuous learning and proactively taking responsibility to deliver high-quality results. My goal is to further develop my expertise in **containerization, cloud orchestration, and AIOps**, and to build a strong career in enterprise-scale, intelligent cloud systems.

Education

Bachelor's Degree in Software Engineering — **Aug 2024 - Aug 2027**
Firat University

Bachelor's Degree in Software Engineering — **Oct 2023 - Aug 2024**
Gumushane University

Experience

Junior AIOps Engineer – PREP Program — **Dec 2025 - Present**
Beko Corporate

- Assisted in analyzing logs from Docker-based and containerized applications.
- Supported basic incident investigation and root cause analysis under guidance.
- Worked with log data to understand anomaly patterns and operational issues.
- Gained hands-on experience with AIOps concepts, monitoring, and observability practices.
- Collaborated with DevOps teams to learn enterprise operational workflows.

Software Developer — **Jun 2023 - Present**
Freelance, Bursa

AIOps Anomaly Detection System — *Python, Prometheus, Machine Learning*
Developed a predictive monitoring module analyzing real-time system metrics. Used simple Machine Learning algorithms to forecast CPU/Memory anomalies and automate alert thresholds, effectively filtering out false-positive incidents in the operations dashboard.

AIOps Infrastructure Automation — *Terraform, AWS Lambda, Docker*
Architected a reproducible Infrastructure as Code (IaC) environment using Terraform. Deployed serverless applications via AWS Lambda packaged in Docker containers, focusing on automated provisioning, scalability, and modern DevOps practices.

AWS CI/CD Pipeline Automation — *AWS CodePipeline, Docker, GitHub Actions*
Constructed a fully automated CI/CD pipeline triggering builds on GitHub push. Integrated Docker for container consistency and AWS CodeDeploy for zero-

Languages

Turkish ●●●●●

English ●●●●○

Hobbies

- Technology
- Artificial Intelligence
- Software Development
- Coding
- Machine Learning

downtime deployments to EC2 instances, reducing manual deployment time by 60%.

SiberMiras — *AWS, Python, Cloud Architecture* Architected and deployed a cloud-native platform entirely on AWS, leveraging EC2, Lambda, S3, RDS, and Load Balancer. Implemented auto-scaling and serverless workflows to ensure high availability and cost efficiency.

Serverless Log Analyzer — *AWS Lambda, S3, CloudWatch* Developed a fully serverless system to collect and analyze application logs on AWS. Automated alerting and reporting through CloudWatch and Lambda, improving monitoring and incident response times (AIOps).

Hybrid Cloud Backup Solution — *Azure, AWS S3, Python Scripting* Designed a redundant backup strategy syncing critical local data to AWS S3 Deep Archive for cost optimization. Automated the lifecycle policies using Python Boto3 scripts to ensure data compliance and disaster recovery readiness.

Bank Automation System (Banka-NTP) — *C#, OOP, MSSQL* Designed a robust banking simulation using C# and Object-Oriented Programming (OOP) principles. Implemented secure transaction workflows, complex user inheritance models, and data encapsulation logic backed by an MSSQL database.

Cloud Architecture Patterns — *Java, AWS SDK, Design Patterns* Built a reference architecture utilizing Java to interact with AWS services. Focused on implementing cloud design patterns such as retry policies and circuit breakers to ensure application resilience and fault tolerance.

Social Media Data Mining Tool — *Python, Selenium, Automation* Created a customized bot for automating interactions and scraping public data for engagement analysis. Implemented rate-limiting algorithms to mimic human behavior and bypass platform restrictions.

Automated Communication System — *Python, SMTP, Task Scheduling* Engineered a Python-based automation tool for bulk email processing and scheduling. Optimized for high-volume delivery with error handling mechanisms, significantly reducing time spent on manual communication tasks.

Dijital Ayak İzi (Digital Footprint) — *Python, Security Awareness* Built an application to visualize users' online footprint, raising awareness of data exposure and digital privacy.