

# Baha Büyükses

Data Engineer | Data Analyst

EU Citizen – No Visa Sponsorship Required – Available Immediately

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## Profile

Data-oriented Computer Engineer with hands-on experience in building data pipelines, analytical data models, and KPI-driven reporting systems. Experienced in integrating IoT sensor streams and ERP systems to automate production metrics such as OEE, MTBF, and MTTR. Seeking Junior to Early-Level positions in Data Engineering, Analytics, or Business Intelligence.

## Technical Skills

- **Data Engineering:** SQL, PostgreSQL, Star Schema, Data Modeling, Materialized Views
- **Analytics & BI:** KPI Automation (OEE, MTBF, MTTR), Reporting, Power BI, Excel
- **Programming:** Python, SQL, C#, JavaScript
- **Machine Learning:** Scikit-learn, TensorFlow, PyTorch, Time-Series Modeling
- **Backend & APIs:** FastAPI, Flask, REST APIs
- **IoT Integration:** MQTT, OPC UA
- **DevOps:** Docker, Docker Compose, GitHub Actions

## Professional Experience

### AI Trainer

*Outlier*

Oct 2025 – Present

Remote

- Contributed to improving code generation and reasoning capabilities of large language models (LLMs).
- Worked on structured QA workflows, prompt engineering, and data annotation.

### C# .NET Developer Intern

*Prestij Information Systems R&D*

Aug 2024 – Sep 2024

Bursa, Turkey

- Developed modules for Hospital Information Systems using .NET and SQL Server.
- Optimized database queries and supported performance improvements.
- Participated in Git-based development and code review processes.

### Information Technology Intern

*Sanofi*

Jul 2024 – Aug 2024

Lüleburgaz, Turkey

- Supported IT infrastructure operations in an enterprise manufacturing environment.
- Assisted in network monitoring, hardware troubleshooting, and system maintenance.
- Gained hands-on exposure to SAP ERP environments including SAP S/4HANA and SAP Fiori.
- Observed SAP module integration across finance, supply chain, and HR processes.
- Developed foundational understanding of ERP architecture and enterprise data management.

### Information Technology Intern

*Kırklareli State Hospital*

Aug 2023 – Sep 2023

Kırklareli, Turkey

- Supported computer networking and hardware troubleshooting operations.
- Assisted in maintaining IT infrastructure and end-user systems.

## Projects

### SmartFact – Production Data Analytics Platform

- Built a real-time data ingestion pipeline using MQTT and PostgreSQL.
- Designed a Star Schema data model for structured KPI computation.
- Automated production metrics including OEE, MTBF, MTTR, and downtime analysis.

- Implemented SQL-based reporting layers and analytical views.
- Developed an LSTM model for predictive maintenance.
- Deployed the platform using Docker Compose.

#### **NeuraVeil – Brain Tumor Classification System**

- Designed and fine-tuned transfer learning CNN architectures.
- Applied focal loss, oversampling, and data augmentation for class imbalance.
- Performed hyperparameter optimization using Optuna.
- Developed a RESTful API with Flask and integrated it with a React Native application.

#### **Education**

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**Trakya University**

Sep 2021 – Jan 2026

Bachelor of Engineering – Computer Engineering

#### **Certifications**

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AWS DevOps – Continuous Delivery

Docker & Kubernetes Fundamentals

Apache Spark Essentials

Microsoft Azure AI Essentials

#### **Languages**

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Turkish (Native)    English (B2)    German (A2 – progressing)