

Eziz Muhammedkulyyev

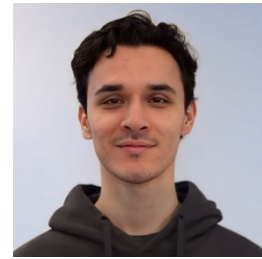
Data Scientist | Data Analyst | Full-Stack Developer

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Age: 26 | Driving license: Category B



PROFESSIONAL SUMMARY

Data Analyst and Full-Stack Developer at Bosch with full-time 3.5+ years of experience building data-visualization tools, full-stack web applications, and process-mining solutions that improve efficiency across production, logistics, procurement, and HR. Currently completing an M.S. in Applied Data Science with a strong foundation in statistical learning, machine learning, and AI. Combining solid software-engineering and data-pipeline skills with hands-on classical machine-learning projects to move into a Data Science role. Fluent in English and German (both C1), plus native Turkmen and bilingual Russian.

SKILLS

Programming & Scripting: Python, SQL, JavaScript / TypeScript, Bash / Linux scripting, C#, Blazor

Machine Learning & Data Science: Classical machine learning (scikit-learn), statistical learning, data mining, text analytics, feature engineering, model evaluation

Data Analysis & Visualization: pandas, NumPy, dashboards & reporting, data visualization, Celonis process mining, Databricks, Spark, PowerBI, Tableau

Web & Full-Stack Development: Next.js, React, Node.js, REST APIs, web application design, RAG & agentic-AI applications, Appwrite Backend System

Databases: Microsoft SQL Server, PostgreSQL

DevOps & Infrastructure: Linux, NGINX, PM2, CI/CD pipelines, Docker, self-hosted server administration, networking

WORK EXPERIENCE

Data Analyst & Software Developer (incl. Ausbildung)

September 2022 – Present

Bosch — Nuremberg, Germany

- Built and deployed full-stack web applications (Next.js, SQL Server, C#, Blazor, NGINX, PM2, Linux) with automated CI/CD pipelines:
 1. **PFEP-Tool** (Plan for Every Part) – developed end-to-end internal Web-Tool for planning and maintaining the material flow in intralogistics and Bosch Production Systems. Interfaces to enterprise data systems such as SAP, procurement and vendor tools, enabling clear data consistency. Replaced manual workflows and reduced effort by **30%** for **20+** internal users.
 2. **VWB-Tool** (Verlängerte Werkbank – Extended Workbench) – developed end-to-end internal Web App for the subprocess in the production line. A data-driven tool (with scan function), which reduced the old Excel effort by **20%** and allowed a clean, role-based, data-driven process implementation. Everyday usage through **25+** production associates (day, evening and night shift). Became a critical tool to maintain the consistent and fast production executions.
 3. **SPP** (Strategische Personal Planung), *ongoing* – contributed to the development of Strategic HR tool for dynamic workforce planning. Forecasts of retirements, contract terminations, and the hiring of trainees. Dashboard for analyzing gaps between current and required staffing levels. Reported efficiency in workforce planning of about over **90%**. Usage by all the managers and HR business partners.
 4. **MyStuff** – contributed to the development of an internal marketplace for used, aftermarket items (*under 25.000€*), similar to “Ebay Kleinanzeigen”. Successfully deployed for usage through Bosch worldwide (*~400.000 Employees*).
 5. **Qualify** – contributed to the development of an internal WebApp for qualification management for all the employees. Data based digital solution that enables HR

Business partners and users easy maintenance of qualifications or competences.
Usage by ~1.200 Employees.

6. Many smaller tasks, scripts.

- Designed interactive data-visualization dashboard that gave insights about correlations between stations and parameters on the production line and improved data-driven decision-making across teams. Python, Spark, Databricks.
- Maintained Retrieval-Augmented Generation (RAG) and agentic-AI tool that made maintenance suggestions based on 25+ years of repair data.
- Contributed to Celonis process-mining initiatives. Collaborated with international, cross-functional teams to standardise data models and reporting, improving data quality.

Volunteer Social Year (FSJ) – Elderly Care

October 2021 – August 2022

Wohnstift am Tiergarten — Nuremberg, Germany

- Coordinated daily activities and engagement programmes for elderly residents.
- Provided personalised care and support for residents' daily needs.

Waiter

June 2019 – December 2019

Restaurant “Japontschik” — Maykop, Russia

- Managed multiple tables during peak service while maintaining service quality and customer satisfaction.

Junior Cook

June 2015 – September 2015

Canteen — Yoloten, Turkmenistan

- Supported kitchen operations during busy service periods.

PROJECTS

Self-Hosted Home Server & Smart-Home Infrastructure

Personal Project

- Designed and administer a self-hosted Linux home server running Home Assistant (smart-home automation) and Pi-hole (network-wide, DNS-level ad and tracker blocking).
- Configured secure remote access over the internet via a Cloudflare Tunnel tunnel, with no inbound ports exposed.
- Manage Docker containerized services, networking, backups, and uptime monitoring — demonstrating end-to-end deployment and DevOps skills.

Machine-Learning Portfolio

 github.com/Zick-del

- Building classical machine-learning projects covering the full workflow: data cleaning, feature engineering, model training, evaluation, and visualization (Python, scikit-learn, pandas, NumPy).
- Project 1 — “Customer-churn prediction”: one-line description; achieved [XX]% accuracy / [0.XX] F1-score].
- Project 2 — “Mental health prediction”: one-line description; [key result / metric]].

EDUCATION

M.S. – Applied Data Science

April 2025 – April 2027

NORDAKADEMIE – Hochschule der Wirtschaft — Hamburg, Germany

- Relevant coursework: Statistical Analysis, Statistical Learning, Machine Learning, Artificial Intelligence, Data Mining, Text Analytics, Process Mining, Reporting & Data Visualization, Data Management, Data Science Project Organization, Sustainable Organization Leading.

IT Specialist – Data & Process Analysis

September 2022 – February 2025

Bosch — Nuremberg, Germany

- Completed a 3-year dual vocational program (Ausbildung – Fachinformatiker für Daten- und Prozessanalyse) in 2.5 years, achieving earlier graduation, combining on-the-job training with coursework in data analysis, process analysis, and IT.

B.A. – Linguistics

September 2017 – June 2021

Adyghe State University — Maykop, Russia

- Focus on theoretical methodology for teaching foreign languages (German and English).

- Thesis: “Grammatical, Lexical, and Semantic Characteristics of Terminology in the Domain of Computer Programming: A Comparative Study of Russian, English, and German.”

Certificate of Secondary Education

2006 – 2017

Secondary School No. 2 — Yoloten, Turkmenistan (Grade: very good)

LANGUAGES

Turkmen (native) | Russian (bilingual) | English – C1 (TOEFL) | German – C1 (TestDaF)
| Spanish – A1

INTERESTS

Basketball; self-hosting and smart-home technology; programming languages; AI Tools; chess