

SERHET GOKDEMIR

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SUMMARY

Mathematical Engineering senior with a strong focus on **software engineering** and **backend systems**. Experienced in building **full-stack web applications** using **Java Spring Boot** and **.NET Core**. Skilled at designing scalable architectures, writing clean and maintainable code, and improving continuously. Also previously explored **data science** concepts to solve industrial problems.

EDUCATION

Yildiz Technical University

Mathematical Engineering, Bachelor of Science

Istanbul, Turkey

Oct. 2022 – June 2026

Uniwersytet Lodzki

Faculty of Mathematics and Computer Science, Erasmus+ Exchange

Lodz, Poland

Feb. 2024 – July 2024

EXPERIENCE

Ziraat Teknoloji | Assistant Software Engineer

Oct. 2025 – Present

- Joined CRM (Customer Relationship Management) department for 9-month long internship program.
- Developing and maintaining full-stack web applications using ASP.NET, React, TypeScript and PL/SQL
- Participating in seminars and technical trainings.

Turkcell | Software Developer Intern

Aug. 2025 – Sep. 2025

- Collaborated in Agile workflow and participated actively in planning, development, and testing of a web-based viewer application for large-scale CDR (Call Detail Record) data.
- By the end of the internship, the project was delivered as a production-ready MVP within 4 weeks
- Gained knowledge and experience in teamwork, problem solving, internal communication, and project management tools.

EPAM Systems | Data Science Trainee

Oct. 2024 – Jan. 2025

- 3-month intensive online boot camp. Delivered assignments, solved tests and attended Q&A sessions.
- Completed modules: Exploratory Data Analysis, Regression, Classification, Tree-Based Models and Ensembles, Clustering, Deep Learning Basics, Machine Learning Engineering Basics, Natural Language Processing Basics

PROJECTS

movie teller | C#, ASP.NET, HTML, CSS, JavaScript, Git

Nov. 2025 – Present

- Use the app: [movieteller.app](#)
- A light weight and ad free movie recommendation web app designed with 2000s web UI design aesthetic.
- The app basically shows a random movie according to chosen filters by using TMDb Free API.
- An experimental learning project to develop skills and find a solution for a daily life problem.

CDR Viewer | Java, Spring Boot, HTML, CSS, JavaScript, Git, CI/CD

Aug. 2025 – Sep. 2025

- See the project: [Link](#)
- A full-stack web app for efficient search, filtering, and visualization of large-scale CDR (Call Detail Records) data.
- Optimized performance via lazy loading, stream-based parsing, and RESTful API with 100% search accuracy.
- Implemented modular architecture and CI/CD pipeline (GitHub Actions) for scalable, production-ready deployment during Turkcell ICT internship.

TECHNICAL SKILLS

Languages: C#, Java, Python, C/C++, PL/SQL, PostgreSQL, JavaScript, TypeScript, HTML/CSS, MATLAB

Frameworks: .NET Core, Spring Boot, JUnit, xUnit

Developer Tools: VS 2022, VS Code, Git, Docker, GitHub Actions, Postman

Concepts: Software Engineering, OOP, Clean Coding, SOLID, API Development, CI/CD, Mathematical Modeling, Optimization, Data Analysis, Machine Learning, Problem Solving, Leadership, Teamwork, Agile

LANGUAGES

Turkish: Native — English: C1 — German: A2