

# 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

<b>Yildiz Technical University</b> <i>Mathematical Engineering, Bachelor of Science</i>	Istanbul, Turkey Oct. 2022 – June 2026
<b>Uniwersytet Łódzki</b> <i>Faculty of Mathematics and Computer Science, Erasmus+ Exchange</i>	Lodz, Poland Feb. 2024 – July 2024

## EXPERIENCE

<b>Ziraat Teknoloji   Assistant Software Engineer</b>	Oct. 2025 – Present
<ul style="list-style-type: none"><li>Joined CRM (Customer Relationship Management) department for 9-month long internship program.</li><li>Developing and maintaining full-stack web applications using ASP.NET, React, TypeScript and PL/SQL</li><li>Participating in seminars and technical trainings.</li></ul>	
<b>Turkcell   Software Developer Intern</b>	Aug. 2025 – Sep. 2025
<ul style="list-style-type: none"><li>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.</li><li>By the end of the internship, the project was delivered as a production-ready MVP within 4 weeks</li><li>Gained knowledge and experience in teamwork, problem solving, internal communication, and project management tools.</li></ul>	
<b>EPAM Systems   Data Science Trainee</b>	Oct. 2024 – Jan. 2025
<ul style="list-style-type: none"><li>3-month intensive online boot camp. Delivered assignments, solved tests and attended Q&amp;A sessions.</li><li>Completed modules: Exploratory Data Analysis, Regression, Classification, Tree-Based Models and Ensembles, Clustering, Deep Learning Basics, Machine Learning Engineering Basics, Natural Language Processing Basics</li></ul>	

## PROJECTS

<b>movie teller</b>   C#, ASP.NET, HTML, CSS, JavaScript, Git	Nov. 2025 – Present
<ul style="list-style-type: none"><li>Use the app: <a href="#">movieteller.app</a></li><li>A light weight and ad free movie recommendation web app designed with 2000s web UI design aesthetic.</li><li>The app basically shows a random movie according to chosen filters by using TMDB Free API.</li><li>An experimental learning project to develop skills and find a solution for a daily life problem.</li></ul>	
<b>CDR Viewer</b>   Java, Spring Boot, HTML, CSS, JavaScript, Git, CI/CD	Aug. 2025 – Sep. 2025
<ul style="list-style-type: none"><li>See the project: <a href="#">Link</a></li><li>A full-stack web app for efficient search, filtering, and visualization of large-scale CDR (Call Detail Records) data.</li><li>Optimized performance via lazy loading, stream-based parsing, and RESTful API with 100% search accuracy.</li><li>Implemented modular architecture and CI/CD pipeline (GitHub Actions) for scalable, production-ready deployment during Turkcell ICT internship.</li></ul>	

## TECHNICAL SKILLS

<b>Languages:</b> C#, Java, Python, C/C++, PL/SQL, PostgreSQL, JavaScript, TypeScript, HTML/CSS, MATLAB
<b>Frameworks:</b> .NET Core, Spring Boot, JUnit, xUnit
<b>Developer Tools:</b> VS 2022, VS Code, Git, Docker, GitHub Actions, Postman
<b>Concepts:</b> 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