

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

EXPERIENCE

Software Engineer Intern, Long Term Ziraat Teknoloji	Oct. 2025 – Present
<ul style="list-style-type: none">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/SQLParticipating in seminars and technical trainings.	
Software Developer Intern, Short Term Turkcell Teknoloji	Aug. 2025 – Sep. 2025
<ul style="list-style-type: none">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 weeksGained knowledge and experience in teamwork, problem solving, internal communication, and project management tools.	
Data Science Trainee EPAM Systems	Oct. 2024 – Jan. 2025
<ul style="list-style-type: none">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

personal-library C#, .NET Core, HTML, CSS, TypeScript, PostgreSQL, Docker	Sep. 2025 – Present
<ul style="list-style-type: none">See the project: LinkA long term personal project for my senior year.A full-stack web app for managing personal book collections with privacy and analytics features.	
CDR Viewer Application Java, Spring Boot, HTML, CSS, JavaScript, Git, CI/CD	Aug. 2025 – Sep. 2025
<ul style="list-style-type: none">See the project: LinkA 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