

MOHAMAD DERSANI

SOFTWARE ENGINEER

CONTACT

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PROFILE

Full-stack Software Engineering graduate with hands-on experience delivering production systems end-to-end, from architecture through deployment. Strong foundation in algorithms and data structures, backed by 256 problems solved across Codeforces and LeetCode and a Codeforces Specialist rating (1430). Proven ability to lead projects from requirements through to a live, tested product.

EDUCATION

B.Sc. Software Engineering
Uskudar University
2022 – Graduated 2026

CORE SKILLS

- C++, C#, Java
- React 18, TypeScript
- Node.js, Express.js
- Firebase / Firestore
- .NET, Full-Stack Web Dev
- Data Structures & Algorithms
- OOP (Inheritance, Polymorphism, Encapsulation)
- Git & Agile Teamwork

ACHIEVEMENTS

- Codeforces Specialist — rating 1430, 226 problems solved
- 30 problems solved on LeetCode

MANAGEMENT SKILLS

- Problem Solving
- Team Collaboration
- Time Management
- Critical Thinking
- Leadership

LANGUAGES

Arabic — Native
English — Professional Working Proficiency
Turkish — Intermediate

REFERENCES

Available upon request

GRADUATION PROJECT — FLEX

Full-Stack Gamified Fitness Social Platform

React 18 / TypeScript · Node.js / Express.js · Firebase Firestore · Capacitor (Android)

- Designed and built Flex, a three-tier full-stack platform unifying social workout sharing, PR logging, AI-generated weekly training programs, and health/nutrition monitoring.
- Built a gamification engine awarding XP across 18 platform events, with automatic level-ups, achievement badges, and daily streak tracking to drive user retention.
- Implemented 4 role-based dashboards (user, personal trainer, gym owner, admin), Firebase Authentication, and Brevo SMTP for transactional OTP email delivery.
- Delivered all 20 core functional requirements, verified via end-to-end testing on desktop and Android APK, achieving sub-300ms average API response times.
- Deployed a live, publicly accessible production build via Vercel (frontend) and Render (backend).

EXPERIENCE

Software Development Intern *Wasel Alkhair — Jeddah, Saudi Arabia | 2024*

- Gained hands-on development experience across C++, C#, and Java projects while contributing to website design, content, SEO, and brand/logo design.
- Collaborated with the development team to improve software functionality, troubleshoot issues, and support day-to-day delivery.
- Contributed to code testing and debugging to ensure high-quality, efficient software releases.

ACADEMIC PROJECTS

Software Construction Project — Hospital Management System *Team Lead*

- Led a team in building a hospital management system from the ground up, applying best practices for modular, maintainable code.

Software Requirements Project *Team Collaboration*

- Gathered requirements and planned the UI for a dual-role problem-solving application (problem uploaders and solvers), ensuring all functional specifications were met.

OOP Project *C++*

- Designed and implemented an object-oriented system applying inheritance, polymorphism, and encapsulation.

.NET Web Platform *C# / .NET*

- Built a full-stack website covering backend logic and front-end interface design, applying best practices for reliability and responsiveness.

CERTIFICATIONS

- Scrimba — HTML, CSS, JavaScript, and React (4 completed courses)