

Omer Mandalaoui

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Driven Front-End / Full-Stack Developer and 3rd-year Computer Science student with proven leadership managing teams of up to 150 in high-pressure environments. Experienced in JavaScript, React, Node.js, and Docker, with a track record of delivering responsive, user-focused applications.

Skills

Languages: JavaScript, TypeScript, Python, Java, SQL

Familiar with: C, C++, C#, x86 Assembly

Full-Stack: React, Node.js, Express, MongoDB, MySQL, REST APIs, JWT

Tools & Methodologies: Git, Docker, GitHub Actions, JIRA, OOP, MVC, Agile

Projects

WanderWise - AI-Ready Trip Planning Platform | Independent Full-Stack Project

- A full-stack recommendation engine for multi-day hiking itineraries, integrated with MapTiler API.
- Implemented LLM-powered itinerary generation combining user preferences with route data.
- Developed using React (frontend) and Node.js/Express (backend) with MongoDB and JWT.
- Containerized the environment using Docker Compose for consistent deployment workflows.

TeacherAssistantAI - Research Intelligence Platform | Academic Full-Stack Project

- Designed and implemented a SQL-based engine for large-scale academic data exploration.
- Built and optimized a MySQL schema to support efficient large-scale academic analytics.
- Integrated an LLM-based AI agent to assist users in research exploration and idea generation.

Movie Streaming System - Full-Stack Web & Android App | Academic Full-Stack Project

- Developed a cross-platform streaming platform with Web and Android clients.
- Collaborated in an Agile workflow environment using JIRA for task tracking.
- Developed secure JWT-based authentication and RESTful backend services
- Containerized backend services using Docker to enable scalable deployment.

Mortgage AI - AI-Driven Analysis Tool | Client Project

- Developed an automated tool providing personalized mortgage refinancing insights in Hebrew.
- Integrated OpenAI API for natural language processing and data analysis.
- Implemented CI/CD automation using GitHub Actions for rate updates.
- Developed using React (frontend) and Node.js/Express (backend).

Mika Coffee - Client Production Web Application | Client Project

- Designed, developed, and deployed a production-ready React website for a real-world café business, serving dozens of daily customers and supporting ongoing operational needs, with a focus on performance and accessibility (WCAG).

TrueValueLL - Client Data-Driven Web Application | Client Projects

- Designed and implemented a dynamic real estate valuation system, developing custom pricing algorithms in collaboration with the client to accurately estimate property values.
- Built a full interactive web application using Wix Velo (JavaScript) and CMS to manage structured data and business logic.

Military Background

- Company Commander, Basic Training** - *Human Resources School* Jul 2021 - Oct 2022
- Led a team of 3 officers delivering basic training and HR courses to 30–150 soldiers per cycle, applying leadership, project management, and coordination skills in high-pressure environments.
- Human Resources Officer** Oct 2020 - Jul 2021
- Oversaw HR operations for 100+ personnel, improving workflow efficiency and cross-department coordination while ensuring compliance with military protocols.
- Officer Training Commander** - *Human Resources School* Jan 2020 - Oct 2020
- Mentored and trained 10–16 soldiers in leadership, discipline, and operational excellence, preparing them for success at the IDF Officers School (Bahad 1).

Education

- B.Sc. in Computer Science** - Bar-Ilan University Dec 2023 - Sep 2026
- Expected Graduation:** 2026
- Ehad-Haam High School** 2016 - 2018
- Majored in Software Engineering, Physics, Math, and English.