Software Developer

**Adi Fermon - B.Sc. Technion**

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**Summary**

* **1 year of experience** as a **Software developer**, with a **B.Sc. in Computer Science** - **Technion**
* Working experience with **React, TypeScript, JavaScript**, HTML & CSS, Git, **.NET C#**, **SQL Server.**
* Skilled in designing responsive frontends with advanced **UI frameworks** like **Tailwind** and **Material UI**.
* Experience in developing backend **APIs** with .NET for seamless **database integration**.
* Strong foundation in **implementing clean architecture**, writing maintainable code, **algorithms**, **data structures**, and **operating systems**.
* **Developed practical AI solutions**, focusing on game AI and optimization strategies.
* Attending an **AI Development course** at **Ben Gurion University**, focused on **LLMs**, **prompt engineering**, smart **AI agents**, and Retrieval-Augmented Generation (**RAG**) core concepts.
* **English** – Fluent; Holds IL & EU citizenship

**Experience**

2024 - 2025 **Software Developer**, One Technologies

* **Used Technologies:** React, Typescript, JavaScript, HTML & CSS, Git, .NET C#, SQL Server.
* **Frontend Development** – Building dynamic **user interfaces** using **JavaScript** and **TypeScript** with **React**, utilizing modern state management approaches and **component-based architecture**.
* Interactive **UI Design** – Implementing **complex designs** using **CSS** with advanced libraries such as **Tailwind** and **Material UI**, ensuring an optimal user experience and responsive interface.
* **Backend Development** – Designing and building **REST API services** using **.NET** and **C#**, including handling HTTP requests, **database communication**, and access **control management.**
* **Clean Architecture & Code Quality** – Applying modern programming principles, writing unit tests, and maintaining structured, maintainable, scalable code.

**Education & Courses**

2020 - 2024 **B.Sc. in Computer Science**, **GPA: 86**, **Technion** - Haifa

* Notable Courses: Data Structures, Operating Systems, **Algorithms (94)**, **AI (91)**, Computer Networking, Databases (90), and more.
* Final project: Built an AI for the 2048 game, optimizing it for smarter decisions and high win rates.

2025 - Present  **AI Developer Course**, **Ben Gurion University**

* Developed a foundation in **LLMs, prompt engineering**, smart **AI agents**, and core concepts of **RAG**.
* **Built an AI agent** using RAG to analyze and interact with a given context, dynamically generating accurate responses based on the user’s prompt.

2025 **Rest APIs in .NET** / **Clean Architecture in .NET,** Dometrain

2024 **JavaScript & React JS Complete Course**, Udemy

**Military Service**

**Marine Intelligence Researcher,** IDF Navy

* Executed daily research and info collection, transformed raw data into actionable intelligence insights, and provided strategic and operational recommendations.

**Professional Skills**

Programming Languages: **JavaScript, TypeScript, C#, C++, Rust, C, CSS, HTML, SQL, Java, Python**

Frameworks & Databases: **React, .NET Core, .NET + C#, SQL Server, MongoDB, PostgreSQL**

AI: **LLMs, Prompt Engineering, Smart AI Agents,** Retrieval-Augmented Generation **(RAG)**