

# Idan Hur

## Software Engineer

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## About

A Software (mostly Backend) Engineer with a solid foundation as a Fullstack developer, Armed with a B.S. in Software Engineering, and insights from the "Smart Up" **Honor program**.

Proficient in **C#, ASP.NET, .NET Core**, JavaScript and web technologies **React**, NextJs, Tailwind and Bootstrap. To see it in action, visit my [website](#).

## Experience

### Software Engineer – Megger 12/2023 – Present

- Maintained and optimized backend services in **.NET Framework 4.8** using **Entity Framework** and **asynchronous programming**, improving IoT data processing and **SQL Server** storage efficiency.
- Improved and supported **RESTful APIs** in **.NET 6** with JWT, OAuth 2.0, and **role-based access** control to ensure secure data access.
- Refactored production testers in **.NET Framework 4.8**, using **Entity Framework** and **MySQL**, reducing test time through asynchronous operations and improving calibration accuracy with advanced statistical methods.

### Software Developer – HtVet 01/2023 – 06/2023

- Developed an app integrating UVC cameras and microcontrollers on **Arch Linux**, with **API** endpoints and **CV2** scripts for processing camera feeds and real-time **WebRTC** communication using **Python**.
- Automated package management and managed projects with **Monday.com**, **Confluence**, and **GitLab**.

## Projects

### Car Auction Site: ([link](#))

- Built a scalable Car Auction Site utilizing **.NET Core**, **microservices**, incorporating PostgreSQL, MongoDB, Entity Framework, **SignalR** and **RabbitMQ**, with advanced features like SSO via IdentityServer and **OAuth 2.0**. Used **Docker** and **Kubernetes** for deployment, and YARP reverse proxy.
- The front end was built with **Next.js**, featuring file-system routing, **Zustand state management**, real-time updates with **SignalR** client, **pagination**, toast notifications, and secure authentication with **NextAuth**. Created a unified, secure user interface with seamless HTTPS support and **Docker** integration.

## Skills

- **C# (ASP.NET, .NET Core)**
- **Apache Kafka, RabbitMQ**
- **Microservices, OOP**
- **Docker, Kubernetes, AWS EKS**
- Jenkins
- JavaScript (**React**, NextJs)
- Bootstrap, Tailwind
- Python, Java, Bash
- SQL (MySQL, PostgreSQL, MongoDB)
- **Git** (GitHub, BitBucket, Gitea)
- Linux

## Education

Afeka Tel Aviv Academic College of Engineering 2019 – 2023

**B.Sc. in Software Engineering, specialization in Machine Learning and AI.**

- Participant in the "Smart Up" program for **Honor** students.
- GPA: 89

## Languages

Hebrew – Native, English – Fluent

## Interests

Baking, Cooking, Cars, Surfing

[Please visit my website!](#)

