Idan Hur
Fullstack Engineer

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About

Fullstack (mostly Backend) Engineer, 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

Megger 12/2023 – Present

Fullstack Engineer – 12/2024 – Present

- Maintain and develop new features across a **.NET 9** backend and **React 18** based frontend (using **Redux** and **MUI**) for an IoT-focused SaaS platform.
- Upgraded the platform from React 16 to React 18 and .NET 6 to .NET 9, improving concurrency, performance, and maintainability.

Software Engineer 12/2023 – 12/2024

- Maintained and optimized backend services in **.NET Framework** 4.8 using **Entity Framework** and **asynchronous programming**, improving IoT data throughput and **SQL Server** efficiency.
- Enhanced **RESTful APIs** in **.NET 6** with JWT, OAuth 2.0, and **role-based access** control for secure, scalable data access.
- Refactored production testers in **.NET Framework 4.8** (Entity Framework, **MySQL**), cutting test time via asynchronous operations and increasing calibration accuracy through 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**.

Projects

Car Auction Site: (link)

- Backend (**ASP.NET Core**, **microservices**): Implemented PostgreSQL, MongoDB, Entity Framework, **SignalR**, and **RabbitMQ** for real-time bidding and messaging. Secured authentication with IdentityServer and OAuth 2.0. Deployed on **Docker** and **Kubernetes**, using YARP reverse proxy..
- Frontend (**Next.js**): Used **NextAuth** for secure user sessions, **Zustand** for state management, and integrated **SignalR** for real-time updates. Implemented pagination, toast notifications, and HTTPS to create a unified UI with robust security..

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!