Idan Hur
Backend Engineer - .NET & Cloud Systems

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About

Backend-oriented Fullstack Engineer with 2+ years of experience building and maintaining scalable SaaS and IoT systems using C# and .NET. Strong background in RESTful APIs, authentication and cloud-native architectures, with experience modernizing legacy systems and improving performance and reliability. To see it in action, visit my website.

Experience

Megger 12/2023 – Present

Fullstack Engineer – 12/2024 – Present

- Developed and maintained backend services for an IoT-focused **SaaS platform** used by electric utilities to monitor and detect faults in intercity power-grid infrastructure.

- Contributed to production-level upgrades of backend services (.NET 6 → **.NET 9**) and frontend (**React** 16 → 18), addressing breaking changes, dependency updates, and performance improvements in a live system.

- Designed and secured **REST APIs** using **JWT**, OAuth 2.0, and role-based access control.

Software Engineer 12/2023 – 12/2024

- Maintained and optimized backend services in **.NET Framework** 4.8 using **Entity Framework** and **asynchronous programming**, improving data throughput and **SQL Server** performance.

- Refactored production testing and calibration tools for physical hardware devices, used in manufacturing and QA processes prior to customer shipment, improving execution time and calibration accuracy via asynchronous workflows.

Projects

Car Auction Site: (GitHub)

- Designed and implemented a distributed car auction platform using .NET Core **microservices**, PostgreSQL, MongoDB, and **RabbitMQ**, with secure authentication (OAuth 2.0, IdentityServer) and real-time updates via **SignalR**.

- Deployed and orchestrated services using **Docker** and **Kubernetes** with API gateway and **reverse proxy** configuration (YARP), and built a **Next.js** frontend integrated with the backend services.

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.

Languages

Hebrew – Native, English – Fluent

Please visit my website!