

Sara Hartuv

+972 504146251

sarahartuv1@gmail.com

SKILLS

Programming Languages:

C, C++ , Java, C#, Python

Web Development:

React, JavaScript, Node.js,
Next.js, HTML, CSS, MUI,
TypeScript, Web API

Technologies & Frameworks:

Entity Framework, .NET Core,
RESTful APIs, DevOps & CI/CD:
GitHub Actions, Docker builds,
Deployment Automation, Spring

AI & Machine Learning:

Supervised & Unsupervised
Learning, Neural Networks,
Computer Vision

Databases & Data:

SQL Server, Access, MongoDB, BI

Development Environments:

Visual Studio, VS Code, PyCharm,
NetBeans, IntelliJ

Additional Skills:

Git, GitHub, DevOps, Docker, IS
Analysis

LANGUAGES

Hebrew – Native

English – Advanced

PROFILE

Quick learner, creative thinker, independent, and highly motivated, Strong interpersonal skills, solid work ethic, and a team player. Seeking a challenging role to deepen knowledge and drive professional growth.

EXPERIENCE

Today | Freelance Backend Developer | c, AWS, SQL Server -

Working on innovative algorithms and framework for graph clustering (HCS algorithm) with applications to robotics.

Backend Developer | 2025 | ExtraTech SC-M – Server Control & Monitoring System | Python, SQLAlchemy, SQL Server

Development of a server monitoring and control system, including a dashboard, real-time alerts, and user management. Worked in an Agile team with a focus on clean and secure code, utilizing Linux and Windows Server, integrating APScheduler and Message Queues for task scheduling and communication, building CI/CD pipelines with GitHub Actions, using Docker for automation and deployment, and writing unit and integration tests with PyTest to ensure code quality.

EDUCATION

2023–2025 | Software Engineering Diploma (Mahat certified)

- Advanced Academic Courses at Ultra Code and Kama Tech: Algorithms, Operating Systems, Numerical Logic Systems, Data Structures, Mathematics (Linear Algebra, Probability & Statistics, Calculus, Discrete Mathematics), Computer Vision, Machine Learning, Graphs
- Additional courses: Information Systems Analysis, Real-Time Systems, Business and Conversational English, Advanced C#, BI

2020–2023 | High School – Computer Science Major

- 10 Matriculation Units (Access, OOP-C#), including 5 units for final project: **C#, WinForms** - a comprehensive system for managing customers, products, inventory, and sales – Grade: 100%
- External Exams ("Sald" Institute): English – 95%,

PROJECTS

- Final Project – .NET, C#, Entity Framework, React, CSS, SQL**
Developed a matching system with an improved Hungarian dynamic assignment algorithm. Built an API in C#, featuring JWT authentication, automated mailing, with emphasis on clean code and user experience.
- Final Project – Node.js, JavaScript, HTML, MongoDB**
Web-based vacation booking system with dedicated access roles, room management, and smart assignment based on requirements.