**Bracha Hertzberg – Software Engineering**

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# Profile

# Recent graduate with a bachelor's degree in software engineering and 1+ year of coding experience in Python, C#, and Java. Proficient in computer science fundamentals, including data structures and algorithms. Demonstrated ability to manage time effectively and complete software projects collaboratively. Seeking a challenging role in software development to leverage technical skills and contribute to innovative projects.

# Work Experience

# 2023-Present | Beit Ya'akov College |Teaching the JAVA language, and software engineering studies.

# Experience

## 2023-Present | Python Backend Developer, Elevation|[Course Page](https://drive.google.com/file/d/1wxvb0M41z1m5WEEhTMiNEPgIRncPdKPz/view?usp=sharing)

An intensive bootcamp in collaboration with Nvidia, emphasizing best practices in the industry.

* Working with Git
* Build a secure **Python backend** with FastAPI and unit tests.

**2023** | **Final project**| **Application Web Visualization Mapping Network**

* **Python server** integration.
* Implement FastAPI asynchronously, with compatible Token.
* Managing and mapping permissions in an Ethernet network environment.
* Database: SQL
* Use of external APIs.
* Implementation of packet capture and analysis according to the protocols.
* Work in Agile methodology.

**2023** | **Internet System Project of Matching Places for a Flight**

* Writing AI algorithms.
* Server side: C#, Asp.Net, Web API, Layers Architecture.
* Client side: React.
* Database: MongoDB.
* Optimal time management, teamwork, and self-learning in artificial intelligence.

# Professional knowledge

# Server-side: C#, Java, NodeJS, Python, C++, C

# Client-side: JavaScript, HTML, CSS, React

# Databases: SQL Server, MongoDB

# Management tools: Git, Azure DevOps

# Advanced technologies: .Net Core ,WebAPI.

# Education

# | Software engineering studies with MAHT certification2021 – 2023

# Expanding studies in collaboration with SheCodes. Average grades: 97

# | Mathematics studies at the level of 5 units.2017 -2021

# Languages

**Hebrew**: mother tongue | **English:** excellent level