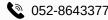
## OFEK SHPIRER







## **About Me**

Motivated Backend Developer with a strong foundation in Java, databases, and scalable server-side applications. Passionate about building efficient APIs, optimizing database performance, and solving complex backend challenges. Strong problem-solving skills in high-pressure environments. Seeking to contribute to an innovative team.

Volunteered for about a year at the Hasdei Irit Association, which packs and distributes food to needy families.

# **Experience**

#### Scrabble game

- Developed a desktop Scrabble application using Java and JavaFX, following the MVVM architecture.
- Implemented TCP communication for real-time multiplayer gameplay, enabling connections between an external server, a game host, and multiple game guests.
- Designed a multi-client server using a **thread pool** to efficiently manage concurrent player sessions.
- Integrated a Bloom filter algorithm on the external server to validate legal words dynamically.

## **Technical Skills:**

Programming: Java, C, C++, Python, JavaScript Backend Development: Node.js, REST API, Swagger Web Technologies: React, TypeScript, HTML, CSS

Databases: MongoDB, Firebase Tools & Platforms: Git, Docker, Linux

### **Education**

2021 - 2024:

Bachelor of Science in Computer Science - The College of Managment Academic Studies, Rishon Lezion.

Relevant coursework: Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Databases, Operating Systems, Computer Networks.

Languages: Hebrew: native - English: fluent