

# OFEK SHPIRER

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GitHub



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## 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 Management Academic Studies, Rishon LeZion.

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

**Languages:** **Hebrew:** native - **English:** fluent