

Paz Menachem

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Summary

Graduated with a **B.Sc. in Computer Science**, specializing in **CPP, Python, and backend development**. Built multiple projects using **algorithms, data structures, and object-oriented programming (OOP)**. Developed **system-level and web applications** with a focus on **performance, and clean code**. Strong knowledge of **Linux, Git, Async Programming, PostgreSQL, and gRPC**. Looking for a **Junior Software Developer** position to work on meaningful projects and grow as a developer.

Experience

[Checkpoint](#) | Junior Software Developer | 2024

- Through Excellenteam in Academia Software Development Bootcamp by Start-Up Nation Central. Worked with mentors from the Israeli high-tech industry, improving problem-solving skills and software architecture knowledge.
- Implemented a basic **firewall** on **Linux OS** using **computer network** and **kernel module** knowledge.

[Magshimim](#) | Programming Teacher | 2022 – 2024

- Taught **C++ programming** to **11th-grade students** and **computer networks** to **10th-grade students** at **Israel Cyber Campus**.
- Mentored **40+ students**, reviewing their code, providing feedback, and improving **problem-solving skills**.
- Focused on **coding best practices, Git version control, and hands-on projects**. Prepared students for **elite IDF cyber units**, achieving a **2/3 acceptance rate**.

[Israeli Defense Forces](#) | Combat Fighter

Education

B.Sc - Bachelor of Science in Computer Science | Graduation Year 2024

- Specialized in **Object-Oriented Programming (OOP), complexity, algorithms, and data structures**. Developed projects using **C++** and **Python**. Red Hat Beyond Course Under [Red Hat](#) employees mentoring, we developed a minimal viable product in a group of five using technologies such as Django, Git, VM, Linux, etc.

Projects

- [Trivia Game](#): Built a **multiplayer trivia game** using a **Client-Server model**. Developed a **multi-threaded C++ server**, a **C# WinForms client**, and an **SQLite database**. Implemented **real-time features** like scoring, leaderboards, and chat.
- [My Internet](#) - **Linux-kernel** based application that blocks specified domains, advertisements and adult websites, using **kernel-level networking (C)** features, complemented by a **user-friendly GUI** for easy management.