

Guy Avidan  
Birth date: 7/12/1991  
Tel: 052-8994206  
Residence: Tel Aviv  
Guy71291@gmail.com

## **Resume - Guy Avidan**

### **Objective:**

Motivated and detail-oriented microbiological laboratory technician with a strong background in research and clinical laboratory settings, seeking a junior position in software development. Passionate about leveraging my analytical and problem-solving skills in software development to contribute to innovative projects.

### **Education:**

- 2009 - Graduate of the Kiryat Sharet Campus in Holon. Full matriculation certificate (English, Mathematics, Biology and Arabic 5 units).
- 2014-2017 - B.Sc. in Biotechnology at Bar-Ilan University.
- 2017-2020 - M.Sc. in Biotechnology at Bar-Ilan University, specializing in the laboratory of Dr. Amit Tzur.
- 2020-2021 - Certificate of recognition as a permanent academic medical laboratory worker.
- 2022 - 2023: Completed Core Course in Software Development at Experis Academy, covering Linux configuration and installation, programming in C, C++ and Python, data structures and algorithms, multithreading and IPC, object-oriented programming, networking, SQL and advanced concepts.

### **Work History:**

- 2008 - Assistance in knowledge management in the human resources department at Bank Hapoalim.
- 2009 - 2014 - Military service.
- 2014 - 2015 - Telephone representative as part of Ituran customer service (student job).
- 2015 - 2019 - Private math teacher (4-5 units) in the Nachshon program of Matach (student job).
- 2019 – 2022 - Teaching assistant in the "Systems Physiology" laboratory. • 2020-2023 - Laboratory technician in the microbiological and corona laboratory at the "Mayanei Hayeshua Medical Center".

### **Military service:**

- 2009-2010 - Human Resource Planning NCO at the Israeli Ground Forces Headquarters.
- 2010-2014 - Human Resource Planning Officer at the Israeli Ground Forces Headquarters, responsible for planning the reinforcement of Combat and Training Officers and coordinating reinforcement of female soldiers and instructors throughout the IDF.

### **Professional experience:**

- 2017-2020 - Master's degree research equipped me with skills in cell cultures, molecular biology techniques, FACS, statistical analysis, microbiology, microscopy and laboratory equipment inventory management.

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- 2020-2022 - Specialized in various areas of the microbiology laboratory, including cultures, analysis and result reporting. Developed strong attention to detail and analytical skills.

### **Skills and Abilities:**

- Software Development: Proficient in C, C++ and Python programming languages.
- Linux: Experienced in configuration and installation.
- Shell Scripting: Proficient in using Bash commands and working in a Linux environment.
- Data Structures and Algorithms: Solid understanding of data structures (arrays, linked lists, queues) and algorithms (sorting, searching).
- Multithreading and IPC: Familiarity with concurrent programming, shared memory, pipes, signals, and synchronization mechanisms.
- Object-Oriented Programming (OOP): Knowledge of OOP concepts, inheritance, polymorphism, and exception handling.
- Networking: Understanding of network addressing, protocols, and basics of router and switch hardware.
- SQL: Proficient in SQL syntax, DDL, DML, and working with databases.
- Problem-Solving and Debugging: Strong analytical and problem-solving skills, with the ability to debug and troubleshoot code.

### **Computer skills:**

- Operating Systems: Windows, Linux.
- Programming Languages: C, C++, Python, SQL and MathLab.
- Software: Office Suite, ELab, Matarot, PCR software, PyCharm and Visual Studio Code.

### **Languages:**

- Hebrew- Native.
- English- Proficient.

### **LinkedIn profile:**

- <https://www.linkedin.com/in/guy-avidan-63aaa1166>

GitHub link:

- <https://github.com/GuyAvidan/Portfolio>