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# Chedva Sebbag

Junior Software Developer | Computer Science Student  
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## Professional Summary

Highly motivated and detail-oriented Junior Software Developer, based in Jerusalem, with a strong academic foundation and hands-on experience in system development, robust **SQL** database management, and **API integrations for 3rd party systems**. Actively pursuing a B.Sc. in Computer Science and eager to apply strong problem-solving skills and rapid learning ability to master enterprise resource planning (ERP) systems like **Priority**.

Proven proficiency in **JavaScript** development, building interactive web applications, and delivering professional solutions. Committed to contributing to complex organizational needs, treating challenges as opportunities for growth, and quickly adapting to new technologies and client requirements.

## Technical Skills

- Databases & SQL:** MySQL, SQL (including complex queries), MS Access
- API & Integrations:** RESTful APIs, developing interfaces to 3rd party systems
- Programming Languages:** JavaScript (Node.js, Express, React), C#, Java, Python, C (advanced)
- Desktop Development:** .NET Framework, WPF, Windows Forms
- Web Development:** HTML5, CSS3, React, Node.js, Express
- System Architecture & Methodologies:** Design Patterns, OOP principles, System Architecture, Agile, Scrum, CI/CD Pipelines (Jenkins, Docker, GitHub Actions)
- Automation & QA:** Selenium, Postman, Automation Testing, QA methodologies, Cypress (TypeScript)
- Operating Systems:** Windows, Linux, UNIX
- Version Control:** Git, GitHub
- Hardware & Verification:** Verilog, UVM, hardware verification, Embedded C (Microcontrollers, I2C/SPI, concurrency handling)
- Artificial Intelligence & Machine Learning:** Basic concepts and applications, AI-assisted coding (Gemini), AI Agents
- Security & Information Security:** JWT, token, data encryption, secure coding practices
- Tools & IDEs:** Visual Studio, IntelliJ IDEA, Eclipse, VS Code

## Experience

- Practicum – READY Company** (2025 – Present)  
Executed hardware verification (Verilog, UVM), built automation flows, and applied Linux scripting for hardware testing.
- JavaScript Instructor – Tappuach Organization** (2024 – Present)  
Led hands-on training in core **JavaScript**, mentoring students to build interactive web apps and express creativity through project-based learning, demonstrating strong communication and problem-solving skills.
- Private Tutor – Computer Science & Math** (2020 – Present)  
Mentored students in programming and math, fostering algorithmic thinking, problem-solving, and academic success.

## Projects

Key projects demonstrating robust system development, database interaction, and API integration capabilities:

- Magen David Adom (MDA) System**  
Developed a layered **C# system (5-layer architecture)** on .NET for MDA, managing volunteer data and scheduling via **RESTful API integration**.
- Restaurant Order Management System (Ten Bis Simulation)**  
**C# WPF app with Access DB**, simulating orders, deliveries, and customer tracking, built with MVVM for modular design.
- Pick Your Ride**  
**Full-stack platform** built with **React, Node.js, Express, and MySQL**, enabling peer-to-peer private car listing and booking. Features real-time status updates and **RESTful API integration**.
- Law Firm Website – Client Project (React)**  
Built a responsive, multilingual site (HE/EN/FR) with UI/UX design, SEO, and **EmailJS forms**, fully tailored to client needs. **View Project->**

## Education

|                                                                                             |                                      |                  |
|---------------------------------------------------------------------------------------------|--------------------------------------|------------------|
| B.Sc. in Computer Science (In Progress)                                                     | Lev Academic Center (JCT), Jerusalem | (2023 – Present) |
| Power Tech Program                                                                          | – Google & Reichman University       | (2025 – Present) |
| Intensive training in Agile, CI/CD, automation testing, embedded C, and AI-assisted coding. |                                      |                  |
| Practical Engineering Diploma – Software Engineering                                        | MAHAT                                | (2023 – 2025)    |
| High School Diploma                                                                         | STEM-focused, high GPA               | (2019 – 2022)    |

## Languages

Hebrew: Native    English: Professional    French: Conversational

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