

Yuval Boker

Junior Software Engineer | Backend & Systems

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Summary

Junior Software Engineer with hands-on experience in backend development using Node.js, TypeScript, and Python. Worked on end-to-end development of backend services, including REST APIs, database integration (SQL & MongoDB), and microservices-oriented systems. Graduate of the Excellenteam Excellence Program, with strong foundations in software engineering, system design, and debugging. Highly motivated, fast learner, eager to grow in an R&D team building reliable, production-grade software.

Education

B.Sc. in Computer Science, Tel-Hai Academic College (2022–2025)

- Selected for the Excellenteam Excellence Program, a selective program for outstanding students focused on advanced Python and C++, software engineering fundamentals, system design, and debugging.
- Relevant coursework: Algorithms, Data Structures, Operating Systems, Software Engineering.

Professional training

Excellenteam – Startup Nation Central

Selected for a selective professional software engineering training program focused on hands-on development in structured R&D environments. Gained practical experience building backend-oriented systems using Python and C++, with emphasis on clean code, debugging, maintainability, and end-to-end system development, while collaborating in small engineering teams.

Projects

- **Gradebook Web Application- Node.js, TypeScript, PostgreSQL,(deployed on Render):** Developed backend services for a client-server web application, focusing on REST APIs, business logic, and data consistency. Worked with PostgreSQL, including permission handling, maintenance, and debugging.
- **AI Slide Summarization System Python (Flask), LLM APIs (deployed on Render):** Built an internal backend tool in Python (Flask) for processing large inputs and extracting structured data using LLM-based APIs. Designed scalable data-processing workflows and used AI-assisted development tools.

Technical Skills

- **Programming & Backend:** Python · JavaScript · TypeScript · Node.js · C++ · Java
- **Web, APIs & Architecture:** React (maintenance) · REST APIs · Microservices (basic) · Client–Server Architecture
- **Databases:** SQL · PostgreSQL · MongoDB
- **Software Engineering & Systems:** OOP · Clean Code · Debugging · Algorithms · Data Structures · Linux · Git
- **AI & Tools:** LLM APIs (Gemini) · AI-assisted development tools · Pandas · NumPy

Experience

Teaching Assistant – Tel-Hai Academic College (2025)

- Supported students in algorithmic and analytical coursework by reviewing solutions, providing structured feedback, and guiding debugging and algorithmic problem-solving.

Military Service

Military Service – IDF, Magal Unit (2018–2021)

- Served as a commander, leading teams, training personnel, and coordinating operations in high-pressure environments.

Languages

- Hebrew – Native | English – Proficient.