Yael Karat
Junior Full-Stack Developer

Contact Me

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- in LinkedIn Profile
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- 🌐 Portfolio

About Me

Junior Full-Stack Developer with a strong foundation in frontend (React, JavaScript, Tailwind CSS) and backend development (Spring Boot, Flask, Python, SQL).
Experienced in building AI-powered applications, big data pipelines, and scalable web solutions through academic and personal projects.
Recognized for problem-solving skills, quick learning, and writing clean, maintainable code.
Eager to apply technical creativity and collaboration skills to deliver value in dynamic development teams.

Education

B.Sc. in Computer Science

Jerusalem Multidisciplinary Academic Center (formerly Hadassah Academic College)

(2021-2025)

Courses:
Web Development,
Python,
Big Data Analysis,
SW testing & automation,
Computers architectures,
Cyber seminar,
NLP and more.

Languages

- Hebrew - native
- English - Intermediate

Technical Skills

- **Frontend:** HTML, CSS, Bootstrap, Tailwind CSS, JavaScript, React, Thymeleaf.
- **Backend:** Python, Java, Kotlin, C++, C, Flask, Node.js, Spring Boot.
- **Databases:** MongoDB, PostgreSQL, SQLite, DuckDB
- **Testing & Automation:** Selenium, Test Automation Frameworks
- **Tools & DevOps:** Git, GitHub, Docker, Linux, Windows

Projects Experience

TruthLens
- Developed an AI-powered web app to detect misinformation and bias in social media content using GPT-3.5 Turbo.
- Built with a Flask backend and React frontend, integrating bilingual support (Hebrew/English) and advanced NLP analysis.
- Improved content classification accuracy by implementing custom prompt engineering and scalable APIs.

Big Data Analysis Project
- Processed and analyzed 1M+ weather records from Brazil using Python, SQL, DuckDB, and SQLite.
- Designed complex queries to uncover insights and automated workflows with Python scripting.
- Reduced manual analysis time by ~40% through automation and visualization.

Chat Room Web App
- Built a real-time chat platform using Spring Boot MVC framework with responsive UI.
- Implemented user authentication, session management, and concurrent messaging for 20+ active users.
- Delivered a seamless experience by combining robust backend functionality with a clean frontend.

Pizza Ordering Website
- Developed a full-stack ordering system with React frontend and Spring REST API backend.
- Implemented cart, order tracking, and payment simulation features.
- Delivered a complete demo project showcasing end-to-end system design.