Gal Amar

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Software Engineering (B.Sc.) | Searching for a junior role

- Software design, including the identification and analysis of customer requirements, and the planning and creation of UML diagrams such as Use Case, Activity, Class, and Sequence diagrams.
- Web Development: Designed and built web projects using JavaScript (React), HTML, and CSS, with a backend implemented in Python (FastAPI).
- OOP: Developed a strong understanding and practical application of OOP principles and design patterns, including polymorphism, inheritance, and abstraction, through hands-on project experience.

Freelance projects:

2023 – present: "Donkey And Friends": GitHub

Developing a coloring pages website using the React framework, incorporating CSS and HTML. After understanding client requirements, created a "main page" prototype and received client approval. Began building the site while self-learning necessary skills to accommodate a large number of images. Utilized Gatsby utilities for enhanced performance and scalability.

Education:

2019 – 2024: BSc in Computer Software Engineering Braude College | GPA 85

- **2023 – Flower Shop – "Zerli" Project: GitHub**
  Developed a Java-based web application with a JavaFX GUI and CSS for a flower shop, utilizing client-server architecture and effective database management and using MySQL relational database. This project enhanced my skills in teamwork, understanding client demands, translating them into project requirements, and planning projects from scratch using diagrams and timelines. It also exposed me to the agile methodology of Scrum, providing valuable experience in collaborative engineering work.

- **2023 – 2024 – "Safe Plane" Capstone Project: GitHub**
  Vacation Schedule Generation using ChatGPT API and React. Developed a vacation schedule generator using the React framework (JavaScript, HTML, CSS) for the frontend and FastAPI (Python) for the backend. Planned and designed the website architecture and features, researched ChatGPT capabilities, and created a user-friendly interface. Gained proficiency in React, HTML, and CSS, and built backend APIs with MongoDB integration. Connected to various external APIs (OpenAI, Azure Maps) and designed effective prompts for ChatGPT.

Skills: JAVA, C, JavaScript, Python, HTML, CSS, React, SQL, MongoDB, Agile Scrum Methodology, Multithreading.

Environments & Tools: GitHub, DB: MySQL Workbench, MongoDB Compass | VS, VS code, IntelliJ, Eclipse| doc. Tools, Microsoft package.

Accomplishments:

2022: **2nd Place - Hackathon for the Elderly Issued by Joint Eshel**
Designed a device to assist older individuals with back issues, winning 2nd place out of 50 groups.

Volunteering:

2022-2024: Perach: Supporting and tutoring children with social challenges. Offering guidance in both academic and social areas, enhancing their strengths, and providing mental and academic support.
2023: Regularly preparing Friday meals for the soldiers in the first months of the war, shopping, contacting the soldiers and preparing the food.

Languages: English – Advanced **| Hebrew** – Native