YOELI BARTHEL

Software Engineer

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SUMMARY

A newly graduated **Software Engineer** with a love for building solutions that matter with a solid foundation in **machine learning**, **data science**, and **software development**, eager to tackle challenging problems with innovative, **data-driven solutions**. Skilled in **Python**, **C++**, **C**, **Java** and **JavaScript**, I enjoy exploring and building projects that bridge theoretical knowledge with practical applications. I am passionate about uncovering insights from data and contributing to impactful solutions. A fast learner with a collaborative mindset, I am dedicated to growing my expertise in **software engineering** to deliver meaningful results.

SKILLS

- Python, C++, C, Java, Typescript
- React, NodeJS ,NextJS
- Problem-Solving skills

- PostgressSQL, MongoDB, Cloudinary
- Jira ,Git,

EDUCATION

BACHELOR OF SCIENCE (B.SC.) SOFTWARE ENGINEERING | **Sami Shamoon College of Engineering**   2022 - 2025
Specialization in **Artificial Intelligence**

EXPERIENCE

SECURITY GUARD MANAGER | CHEVRON | G-ONE   2024
In charge of the warehouse security and management security with a team of **5 people**, demonstrating problem-solving.

PROJECT

DATA ANALYST ENGINEER | SURVEYFLOW   2023-2024
Development of an online survey platform that allows users to create, share, and analyze static or dynamic surveys intuitively, using a *flow* for dynamic survey creation and better visibility of results through graphs.
- Utilization of **Next.js** for front-end development, with reusable components and state management using **React**.
- Integration of Material-UI for a modern and responsive user interface.
- The project also includes login and authentication features via **OAuth**, as well as a **REST API** built with Node.js, MongoDB, and Cloudinary for data management.
- Use of Trello and Jira for task management and GitHub for version control.

CONCEPT CREATOR & LEAD DEVELOPPER | SIDOUR AVODA   2024
Development of a desktop application designed for **optimizing** and **managing** work schedules in security environments.
- **Automated** creation of optimized schedules respecting constraints
- Management of worker availability and shift preferences, and Intuitive user interface developed with Tkinter
- Persistent **storage system** using SQLite
- **Optimization algorithms ensuring** minimum rest periods between shifts.

Technologies used: Python, Tkinter, SQLite, Matplotlib, pandas, PyInstaller (macOS deployment). This application automates the creation of complex schedules while respecting legal constraints regarding rest periods between shifts and individual employee preferences.

SOFTWARE DEVELOPER | DIVESPOT-PROJECT MANAGER   2023 -2024
Social Network program with team of 5 people.
Development of complete site on diver social network. Using Confluence and Jira for requirement, CI/CD, test and quality. Using MongoDB for backend and React for Library. Deployment on render.

MILITARY

Technician Optic/Optronic | TSAHAL   2019 - 2021
Maintenance and servicing of military equipment, including equipment optic and optronic in the aerial and naval vehicles, as well as light weapons.

LANGUAGES

English - fluent | Hebrew – fluent | French – native