

CONTACT

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SKILLS

- React
- TypeScript
- Express.js (Node.js)
- Next.js
- Flask
- .NET
- Tailwind
- HTML
- CSS
- JavaScript
- Python
- Java
- C#
- SQL
- MongoDB
- Design Patterns
- OOP

SOFT SKILLS

- Teamwork
- Communication
- Inretpersonal skills
- Problem solving
- Work ethic
- Attention to details
- Critical thinking

MILITARY SERVICE

- Mandatory Service**
Company Medic:
Ongoing operational medical management of 120 soldiers.
- Reservist Service**
Served 113 days during the Iron Swords war as a member of a brigade medical team.

LANGUAGES

- Hebrew: Native
- English: Fluent

Bar Rosenthal

A dedicated fourth-year Industrial Engineering and Management student at Ben-Gurion University and a Full Stack developer with a passion for software development. Possessing strong problem-solving abilities and a proven capacity for rapid learning and adaptation. Seeking opportunities to contribute to innovative projects and grow within a forward-thinking organization.

EDUCATION

2021 - Present
B.Sc. in Industrial Engineering and management, **Ben-Gurion University of the Negev**

- Udemy courses**
- The Complete JavaScript Course 2023: From Zero to Expert
 - The Ultimate React Course 2024

EXPERIENCE

- Full Stack Developer (July 2024 - February 2025) - Ben-Gurion University**
- Solely leading the end-to-end development of a curriculum management application for university staff, streamlining course creation and updates and reducing administrative workload.
 - Built the frontend using React.js, focusing on user experience and ease of navigation.
 - Implemented a secure backend using Express.js (Node.js) and MySQL, ensuring efficient data management.
 - Designed functionality for generating and distributing custom PDF reports to relevant personnel, improving operational efficiency.
- Research Assistant and Co-Developer (April 2024 - Present) - Ben-Gurion University**
- Designing and developing a full-stack web application to visualize collaborations in desert-tech research communities for Professor Gilad Ravid.
 - Created a robust backend using Python, Flask, and MongoDB, supporting advanced algorithms for data processing and analysis.
 - Built an intuitive and dynamic frontend interface with HTML, CSS, and JavaScript, improving accessibility and user engagement.
 - Leveraged libraries like NetworkX, igraph, and Gravis to generate insightful graph visualizations tailored to academic research needs

PROJECTS

- WorkFolio - full stack project:**
- Developed a social network platform for portfolio sharing and professional connections, focusing on scalability and user engagement.
 - Designed and implemented a front-end using HTML, CSS, and JavaScript.
 - Built a backend with Python (Flask) and MongoDB, managing concurrent user actions efficiently and enabling real-time functionality
 - Integrated a RESTful API to establish scalable communication between the front-end and back-end.
- Bus Station Simulation (Java):**
- Engineered a multithreaded simulation of a bus station, handling synchronization challenges to ensure seamless interactions between multiple actors fulfilling dynamic roles.
 - Designed and implemented the system using core Object-Oriented Programming (OOP) principles.
 - Tackled complex concurrency issues, improving the efficiency and accuracy of role allocation and behavior execution in a multithreaded environment.