

# Simon Fraiberg

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## ABOUT ME

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Computer Science graduate with a strong foundation in full stack. Eager to apply academic knowledge and hands-on project experience in a full-time position. Enthusiastic about learning, adapting to new technologies, and contributing to a team while continuously growing my technical skill set.

## EDUCATION

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### Bar Ilan

BSc Computer Science

Oct. 2020 – Oct 2024

## EXPERIENCE

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### Network administrator

IDF

Dec 2017 – Aug 2020

- Managed secure and reliable network infrastructure.
- Ensured network security and provided tech support to personnel.

### Help Desk

Discount Bank

Sep 2020 – Sep 2021

- Provided comprehensive technical support to customers, guiding them through the setup and troubleshooting of banking applications, online platforms, and remote access tools.
- Assisted customers in resolving hardware and software problems remotely, utilizing remote desktop tools and troubleshooting techniques.

## PROJECTS

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### Meeting Location App | *React, TypeScript, MongoDB, Express, Node.js, Google Maps API, Material UI*

- Developed a React web application for finding optimal meeting locations for large groups of people based on each member's personal diet and geo-location.
- Achieved optimal location suggestions using a Centroid algorithm for longitude and latitude coordinates of all participants' locations, ensuring a robust selection process.
- Provided location suggestions based on 5 dietary preferences, integrating accurate mapping through the Google Maps API.
- Utilized React for the frontend, enabling dynamic user interaction with forms and map-based selections.
- Implemented backend services using Node.js and MongoDB to manage user data, preferences, and location-based queries, following the MVC architecture.
- Secured user accounts with bcrypt and implemented 2FA using Google Authentication for enhanced security.

### Chatting app | *React, JavaScript, Node.js, Express, mongoDB, Docker, Bootstrap*

- Developed a chatting application utilizing React for the front end and Node.js with Express for the back end.
- Implemented JWT token-based authentication to ensure secure and private messaging between users.
- Utilized RESTful API principles to facilitate seamless data transmission and efficient server-client communication.
- Implemented database integration in mongoDB for storing and retrieving chat data, ensuring data consistency and reliability.
- Optimized the project for deployment using Docker by creating a **docker-compose** configuration, Improved portability, scalability, and maintainability by isolating services in separate containers, making the app easier to test, update, and deploy in any environment

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, HTML/CSS, SQL, Java, C/C++, Assembly, Python

**Technologies:** React, Node.js, MongoDB, Docker