

Michal Fingerut

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Successfully transitioned from optometry to software development, demonstrating adaptability and a strong learning mindset. Results-driven developer with experience leading impactful projects. Motivated, tech-savvy, and a collaborative problem solver passionate about innovative technologies.

WORK EXPERIENCE

Infinity Labs R&D

Full Stack Developer (Infrastructure team)

2024-present

- Part of the **core development team** which is responsible for architectural decisions, defining company-wide development conventions, and developing the infrastructure of the application, which includes multiple microservices under its responsibility leveraging **JavaScript, TypeScript, Node.js, Express, Sequelize, Mongoose, Vue.js, React.js, PostgreSQL** and **MongoDB**.
- Developed and maintained a micro-service for guest users invites management system using **Node.js, Express, Mongoose, MongoDB**, and **Docker**.
- Created and managed npm packages to be used across the app's micro-services.
- Maintained exams platform web application responsible for ongoing maintenance and bug resolution. using **Node.js, MongoDB** and **React**.

Infinity Labs R&D

Full Stack Developer (Dashboard team)

2022-2024

- Oversaw the entire development lifecycle of an educational **SaaS** web application for students, leveraging **JavaScript, TypeScript, Node.js, Express, Socket.IO, Sequelize, Vue.js** and **PostgreSQL**. Responsibilities included designing and implementing **REST APIs**, adding new features (some include database migrations), and performing ongoing maintenance to improve functionality and user experience. Development was conducted in a **Linux-based environment**, ensuring stability, efficiency, and seamless deployment.
- Acted as the main software developer in the team, defining workflows, operational procedures, and guidelines for development, and served as the primary point of contact for support and technical questions from team members.
- Optimized system performance and improved response times by 80% using advanced monitoring techniques and efficient coding practices, including design patterns.
- Deployed the application to production with optimized server configurations, and CI/CD pipelines for continuous updates.
- Refactored the backend by independently rewriting all services to extract the core framework, maintaining server functionality while significantly improving performance, scalability, and the overall development process.
- Mentored students in a software development extensive bootcamp, delivering comprehensive instruction in **C** programming, **Java, OOP, Design Patterns**, fundamental programming concepts, algorithms, software design, multithreading, and system programming, while focusing on core principles and best practices.

EDUCATION

Software Development Extensive Bootcamp

Infinity Labs R&D

2022

BSC, Optometry (Cum Laude)

Bar Ilan University

2017-2021

ADDITIONAL

Technical Skills: C, Java, JavaScript, TypeScript, Python, Node.js, Express, Nest.js, React, Vue.js, Jest, OOP, Design Patterns, AWS, MicroServices Architecture, Services Oriented Architecture (SOA), Multi Threading, REST APIs, Docker, Socket.IO, Sequelize, Mongoose, MongoDB, PostgreSQL, Linux, Scrum Environment, SQL, NoSQL, SaaS.

Languages: Hebrew - Mother Tongue, English - Fluent

Army Service: Linkage & Recruitment NCO, Air Force, IDF