

# BAR COHEN - FULLSTACK SOFTWARE ENGINEER

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## SUMMARY

Full-stack software engineer specializing in React, TypeScript, and Node.js, with strong experience across the MERN stack.

Focused on building scalable, user-centric web platforms with clean architecture, modern tooling, and production-ready standards.

Hands-on experience designing secure APIs, working with both NoSQL and SQL databases, and delivering maintainable, high-quality systems.

Actively working with AI-assisted development workflows, including refactoring, stabilizing, and scaling AI-generated code, with a strong emphasis on innovation and continuous learning.

## EXPERIENCE & PROJECTS

### **2024-Ongoing: HealEase.**

an AI-powered full-stack platform designed to support the rehabilitation of injured patients.

- Independently designed and developed an AI-powered full-stack rehabilitation platform from concept to functional POC.
- Built a social and therapeutic ecosystem enabling peer communication, AI-assisted guidance, professional consultations, and personalized recovery plan tracking.
- Architected scalable backend services using Node.js and PostgreSQL, integrating AI agents to deliver adaptive, data-driven support throughout the recovery process.

### **2024 - 2025: Full-Stack Developer, Workonit.ai.**

- Contributed to the development of an AI-driven recruitment platform, focusing on backend and frontend feature implementation and system-level improvements.
- Designed and implemented AI-powered capabilities including automated job description generation, intelligent tagging, chatbot-assisted job search, and AI-based CV optimization.
- Integrated the platform with 22 targeted Facebook groups, enabling automated and AI-assisted distribution of job postings to relevant communities.
- Refactored AI-generated and legacy code, improving system architecture, security, scalability, and long-term maintainability.

## EDUCATION

### **2022 – 2024: Student for Software Engineering, Ariel University**

Focus on full-stack engineering, algorithms, and data structures.

- Final Project (Grade: 88): TechTreasure – a full-stack e-commerce platform built with React, Node.js, MongoDB, and Stripe.

### **2021 – 2022: Student for Software Technician, ORT Singalowski Collage**

Low-level programming (C, Java) and full-stack fundamentals.