

# Hadar David software Engineer

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## JOB EXPERIENCE

### Software Engineer

September 2024 – Present

Israeli Defence Forces

- Designed, built, and maintained scalable end-to-end web applications using **TypeScript**, **React**, and **Node.js (Express, TypeORM)**.
- Created and implemented **RESTful APIs**, integrating with **SQL Server (SSMS)**, including **database schema design** and **migrations**.
- Built core **backend services** in **Node.js** using **design patterns** (Strategy, Repository, Singleton) to ensure modular, testable, and extensible code.
- Worked in a team on an internal **high-scalability tool**, demonstrating **strong team collaboration skills**, and played a key role in the **backend development from scratch**.

## EDUCATION

### B.S.C In Software Engineering

Expected: June 2026

AFEKA, TEL AVIV ACADEMIC COLLEGE OF ENGINEERING

- Relevant Coursework: Object-Oriented Programming: 91 , Data Structures: 90
- Mobile Development Specialization.

## PROJECTS

### PantryPal – Smart Pantry Management App

Technologies: React native, NFC manager, MongoDB, Spring Boot, Docker

- Developed a full-stack Android application to help users efficiently manage pantry inventory using NFC tags to scan products and track usage in real time.
- Built with **React Native** (frontend) and **Spring Boot** (backend), connected via **RESTful APIs** and persisted with **MongoDB**.
- Key features: **NFC-based** product scanning, user **authorization**, inventory & shopping list management, and usage **trend analytics**.
- Source code: <https://github.com/hadardv/PantryPal>

### Electric Vehicle Catalog

Technologies: React, Node.js (Express), PostgreSQL

- Built a full stack EV catalog with **React**, **Express** and **PostgreSQL**, featuring **CRUD**, dynamic **sorting and filtering**
- Created interactive **data visualizations** (pie chart for automaker market share; bar chart for quarterly sales)
- Designed a responsive, intuitive UI to streamline navigation and boost engagement
- Source code: <https://github.com/hadardv/carsProj---final>

## TECHNICAL SKILLS

**Programming Languages:** Typescript, Java, Python, Kotlin.

**Frameworks and Tools:** React.js, Node.js, Flask, Docker, TypeORM, Express, Spring Boot.

**Concepts:** Object-Oriented Programming, RESTful API Design, Asynchronous & Event-Driven Programming (Promises, async/await), Version Control (git).

**Databases:** MSSQL, PostgreSQL, MongoDB, Sqlite.

## Community Service

QueenB - Web Development Instructor 09/2024 – 07/2025