

# Elad Reuveny Full Stack Developer / Software Engineer

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**Full Stack Developer & Software Engineer** with a B.Sc. in Computer Science from The Open University of Israel. Adept at designing and deploying robust, highly scalable software architectures using a modern stack: **React, TypeScript, Tailwind CSS, NestJS (primary) / Spring Boot, PostgreSQL and Docker**. Skilled in advanced concepts like RESTful API design, database management, responsive UI/UX, and deploying applications on modern cloud platforms. Familiarity extends to microservices architecture (HTTP and message-broker patterns), caching with Redis, and CI/CD fundamentals. A fast, self-driven learner with strong problem-solving skills, highly effective independently or in teams, and passionate about delivering high-quality, user-focused solutions.

## 💡 Skills

**Programming Languages:** TypeScript, JavaScript, Java, C#, C, C++, Python

**Frontend:** React, TypeScript, Tailwind CSS, HTML, CSS

**Backend:** NestJS, Spring Boot, Express.js, Node.js

**Database & Caching:** PostgreSQL, MySQL, Redis, Neon

**DevOps & Cloud:** Git, GitHub, Docker, AWS (S3, CloudFront, Route 53, ECS, ECR), Netlify, Render

**API Design & Security:** Postman, Swagger, JWT

**Build & Development Tools:** Vite, npm, Maven, Linux

## 📁 Projects

### Football API Manager | React, TypeScript, Tailwind CSS, NestJS, PostgreSQL, Redis, Docker

- Designed and engineered a robust and scalable RESTful API platform for managing and visualizing football data, implementing secure JWT based authentication and structured data management.
- Developed backend service using NestJS and PostgreSQL, incorporating Redis caching to optimize data retrieval and minimize database load for high-volume endpoints.
- Containerized the entire application stack using Docker, ensuring consistent and portable deployment across environments.
- Engineered a dynamic, modern React frontend, leveraging Vite for bundle optimization that resulted in a 15% improvement in load speed and implemented responsive styling using Tailwind CSS.
- Ensured reliability and clear specifications through comprehensive testing and documentation using Postman and Swagger.

### Electronics - Full-Stack E-Commerce Platform | React, Spring Boot, PostgreSQL, Docker

- Developed a fully responsive e-commerce platform with secure authentication, product and profile management, shopping cart, wishlist, and order processing and tracking.
- Designed RESTful APIs using Spring Boot and JPA, and implemented data persistence with PostgreSQL.
- Built a responsive and dynamic UI in React; optimized for performance and scalability.
- Containerized the application with Docker for consistent and portable deployment across environments.

### Custom Assembler/Compiler | C

- Built a custom assembler and compiler to convert assembly instructions into binary machine code.
- Developed modules for lexical analysis, parsing, and code generation.
- Focused on performance, optimizing compilation accuracy, error handling, and execution efficiency.

## 🎓 Education

### B.Sc. in Computer Science | The Open University of Israel

2021 – 2025

- Gained theoretical and hands-on knowledge in Data Structures, Algorithms, OOP, DBMS, Design Patterns and Multithreading.

### High School Diploma | Ohel Shem

2011 – 2015

- Graduated with high honors; specialized in Computer Science stream.

## 🎖️ Military Service

### Aircraft Technician | Israel Air Force

2015 – 2019

- Led a technical unit maintaining complex aircraft systems under high-pressure conditions; Gained leadership, troubleshooting, and precision work.

## 🏠 Community Involvement

### Volunteer Instructor | Yigal Alon School

- Tutored and mentored students facing academic challenges, fostering a supportive learning environment.

## 🌐 Languages

Hebrew - Native | English - Advanced Proficiency