Tal Yaakobi - Software Development Engineer

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Objective

After years in TV production, I returned to an old love - software development. I bring with me leadership, adaptability, and creative problem-solving, and I thrive on learning new technologies and approaching challenges from fresh angles.

Education

BSc in Computer Science (2021-2024) - HIT Holon Institute of Technology. GPA: 86
  • Received Dean's Honor for academic excellence in Year 3 with GPA of 97.

BA in Arts and Cinematography (2018-2020) - The Open University (Incomplete). GPA: 93

High School Diploma (2012-2014) - Yigal Alon High School, Ramla**.** Major: Software Engineering.

Projects

Cinema Ticketing System Backend (NestJS, TypeScript, PostgreSQL, Docker, TypeORM, Jest)
  • Built a backend system for managing theaters, movies, and bookings logic.
  • Designed modular RESTful APIs with PostgreSQL and Docker-based environment.
  • Wrote unit and e2e tests to ensure robust functionality.

Projects and Tasks Gantt Chart App - full stack (React, TypeScript, Node.js, Express.js, SQL, MUI)
  • Developed a full-stack application for managing tasks across multiple projects, featuring a Gantt chart view for task visualization and editing. Implemented RESTful APIs to synchronize project data with a SQL database.

Calories Tracker Backend (Node.js, Express.js, MongoDB, Postman)
  • Developed backend RESTful APIs to manage user meal tracking and generate detailed reports. Integrated MongoDB for scalable and efficient database management.

Calories Tracker App - Frontend (React, JavaScript, IndexedDB, Bootstrap)
  • Created a responsive web application for tracking daily calorie consumption and view reports with local storage using IndexedDB.

Desktop Paint App (C#, .NET, OOP, WinForms)
  • Designed an intuitive desktop paint application with essential drawing tools, showcasing OO principles.

Professional Experience

  o **Teaching Assistant for C# .NET OOP Course at Reichman, HIT, MTA (2025-present):** Manually testing and grading C# projects to ensure functionality, correctness, and proper OOP usage.
  o **Transcriber and tutor (2024-present):** Transcribed lessons and provided one-on-one support for students with physical disabilities, including deaf and visually impaired students.
  o **Logger and Transcriber, "The Big Brother" (2022-2024):** Created detailed real-time logs for editors.
  o **Interviewer, "Rising Star" (2018-2024):** Conducted in-depth interviews to enhance participant profiles.
  o **Head Producer, Noifeld Handmade Music (2021):** Spearheaded the production of music videos and directed artist management to align with project objectives.
  o **Budget Controller, "Endemol Shine Israel" (2020):** Managed budgets, invoicing, and payment approvals for major TV productions.
  o **Executive Producer, "Gav Hauma" (2018-2020):** Managed weekly episode production, including logistics, crew coordination, and adherence to tight schedules.
  o **Production Coordinator, "The Big Brother" (2018):** Oversaw the technical team, managed their logistics and transportation, ensuring seamless operations to produce a major reality TV show.

Skills

Technical Skills: .NET, C#, React, TypeScript, Node.js, NestJS, Next.js, Python, SQL, MongoDB, C, C++, Java, Object-Oriented Programming, Design Patterns, Multi-threading.

Languages: Hebrew (Native), English (Fluent), Spanish (Basic).

Soft Skills: Leadership, Problem-solving, Attention to Detail, Fast Learning, Teamwork, Communication, Time Management.

Military Service

Band commander and Singer - Military Band (2015-2017): Organized performances, and managed production schedules under pressure.