Adi Yehuda

About Me

 Location: Tel-Aviv, Israel | **Age & Gender**: 36 y/o, Male | **Language**: EN, HE

I'm a Passionate developer with strong technical background and a knack for creating innovative, high-quality solutions. My journey began at Tel Aviv University, where I balanced SW & HW engineering studies with an ever-growing interest in programming and web technologies.

After several years leading product R&D in the energy sector, I focused fully on full-stack web development and started building interactive, scalable applications that streamline user experiences. My background in hardware and embedded systems equips me with a unique perspective in bridging the gap between physical devices and software solutions.

I am driven by a desire to push boundaries, explore cutting-edge tech, and collaborate on impactful projects. Whether it's a dynamic web platform, an automation script, or an innovative AI integration, I'm always ready to deliver a tailored, future-proof product.

Professional Experience

- **Full-Stack Developer** | Self-Employed, 2023-2025
  Designing and developing modern web applications and SaaS platforms with a strong focus on scalability, clean user experience, and cloud-native architecture. Balancing both front-end interfaces and backend infrastructure including authentication and integration. and data pipelines. Leveraging automation- AI APIs, and cloud platforms to speed up development and optimize workflows. **Proficient** in React, Next.js, Firebase, Supabase, AWS, Python and AI integrations.

- **Senior Hardware Engineer & Product Lead** | SolarEdge R&D, 2019-2023
  Led multidisciplinary development of advanced analog/digital hardware systems for renewable energy products. Responsible for full product cycle—from early design and prototyping to validation and mass production Collaborated with firmware, QA, and manufacturing teams to ensure system-level reliability. Built automated test frameworks and real-time data tools using Python and C# to streamline validation processes. Experience with DSPs, wireless communication, power electronics, and system-level debugging. Known for hands-on problem solving and cross-domain coordination.

- **Teaching Assistant** | Tel Aviv University, 2019-2020
  Frontal lectures for TAU engineering students in mathematics and physics. lessons and marathons to clarify complex topics, driving higher exam success rates. Focusing on teaching out of the box problem solving skills and creative thinking.

- **Math & Physics Tutor** | 2016-2019
  Frontal lectures for high school students in math and physics. Including Marathon sessions for Bagrut.

Education

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- **B.Sc. Electrical Engineering** | Tel Aviv University, 2014-2019
  Majors in computers, control systems, and electromagnetics:
  1. **Computers & Programming** - In-depth Python, Computer organization, Algorithms, Data structures, C++, OS, encryption and network protocols.
  2. **Electromagnetic Radiation** — Waves propagation, Radiation and Transmissions.
  3. **Controlled Systems** - Feedback loops, logic blocks, and control theory fundamentals.

- **AI engineering for developers** | Coursera, 2024
  In-depth course on AI engineering, covering advanced topics in AI models, prompt engineering, AI params, optimization, prompt caching and method to improve performance. Focused on practical applications and real-world scenarios- Hands on experience with various AI tools and platforms, including:
  Open AI, Claude/Anthropic, Azure AI, Gemini, Co-pilots, AI Agents, MCPs .
  On top of that I participated in a Microsoft Webinar on AI engineering, where I learned about the latest trends and best practices in the field, including co-pilot mastering. In addition, built and deployed multiple projects using various AI tools and platforms, Agents and top AI models.

- **Advanced React & Next.js Development** | Udemy, 2023-2024
  In-depth web development, with a focus on modern frameworks like React and Next.js. Strong API and cloud frameworks, server-side rendering, and scalable solutions. Also covered advanced tonics and best practices in web development, including professional UI/UX design, performance optimization, and security measures.
  Tailwind, Radix UI, ShadCN, daisyUI, Ant design, MUI, Bootstrap

- **UI/UX and Web design** | Udemy course 2023

  multiple courses on UI/UX design and web development including various tools and techniques.

  Figma, Typography, Color Theory Design patterns, UI/UX, Responsive design.

- **The Complete Web Development Bootcamp** | Udemy, Dr. Angela Yu
  Comprehensive coverage of HTML, CSS, JavaScript, Node.js, databases, and DOM manipulation. Built real-world projects to master front-end and back-end concepts.

- **Python Developer: Zero to Mastery** | Udemy, Andrei Neagoie
  Advanced Python programming for automation, web scraping, data analysis, and basic machine learning. Gained solid understanding of libraries like NumPy, Pandas ,
  Selenium, and more.

Skills

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JS | HTML | CSS | Tailwind | React | Radix | Shadcn | daisyUI | MUI | Ant |
Postgres | Server | Next.js | Nodejs | Python | Code | Firebase | Supabase | Open
                AI | Anthropic | GitHub | Auth | Payment | Google
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Contact Me

✉ Admin@webly.digital

🔗 [LinkedIn Profile](#)

@ [github @ AdiYd](#)

🌐 [webly.digital](#) | [adiyd.github.io/About](#)

📞 [+972-527242775](tel:+972527242775)