Elad Sadeh

Software Engineer

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A software engineer with a solid background in computer architecture and the engineering development cycle. Driven by a desire to understand the inner workings of things and find novel solutions to complex problems.

Skills

Languages | JavaScript, HTML, CSS, Perl, Python
Libraries and Frameworks | React, Next.js, Express, Mongoose, Node.js, Django REST Frameworks
Databases | MongoDB, PostgreSQL
Technical Proficiencies | Computer Architecture, VLSI design, Data Analysis, Mathematics & physics

Projects

Trellis | Garden Planner   2-2022
- ❖ Full-stack web application
- ❖ Built with Django REST Framework, Next.js, and Node.js

AgiliTeam | Project Planner   1-2022
- ❖ MERN Full-stack project planner application based on Agile methodology.
- ❖ Built with MongoDB, Express.js, React, and Node.js
- ❖ Team collaboration project.

pArk-Z | National Parks Explorer   1-2022
- ❖ React-based interactive web application.
- ❖ Uses third-party API to fetch parks information.

Tower of Hanoi | Mathematical game   12-2021
- ❖ In browser Drag and Drop Interactive game.
- ❖ Use a recursive algorithm that teaches the user how to solve the game.

Professional Experience

Software Engineering Immersive Student - *General Assembly* | *Remote*   11/2021-02/2022

- ❖ Twelve-week, 500+ hour intensive software development training program focused on Git/Github, HTML, CSS, JavaScript, Python, React, Node.js, MongoDB, SQL, PostgreSQL, and Django.

Microprocessors Design Engineer - *Intel Co.* | *Haifa, Israel*   03/1993-07/2007

- ❖ Drove the performance and power convergence of the FE section of Intel's flagship microprocessor to achieve design targets ahead of the deadline. Compiled a unified model, analyze critical paths, and drove solutions by collaborating with a cross-functional team of 15-20 engineers.
- ❖ Developed and implemented a statistical model for performance-based yield loss prediction to assist management in market segmentation planning and help the design team focus on the most critical design improvements.

- ❖ Set direction and lead an engineering team that developed programs for performing design verification for Intel's first SoC device.
- ❖ Composed project-wide design methodology of standard cells library optimized for timing and power.

Other Professional Experience

Founder/Owner - *Bee Fields Farm*   08/2011-12/2021

- ❖ Constructed a new farm infrastructure from the ground up.
- ❖ Created and maintained business infrastructure, including website, online store, accounting, marketing, and managed the farm operations. Achieved a sustainable cash flow to cover operations and living expenses in a difficult farming environment.
- ❖ Planned and executed a logistically complex operation of growing more than 40 different crops: Managed inventory, planned and oversaw budget, supervised a crew of interns, and led the day-to-day activities.
- ❖ Invited to speak at a national Agricultural conference. Successfully delivered a presentation on technical concepts like quantum physics and the theory of relativity in a clear, understandable way to a non-scientific audience of more than 80 people.

Resident Volunteer - *Camphill Village Kimberton Hills, Kimberton, PA*   09/2007-07/2011
Volunteer in a not-for-profit organization working with special needs people. Manage workshops for people with disabilities. Served on the finance committee and management group.

Education

Software Engineering Immersive | *General Assembly, Remote*

B.Sc. Electrical Engineering | *Israel Institute of Technology - Technion, Haifa, Israel*