Elad Sadeh

Software Engineer

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Software Engineer with a solid background in solving challenging technological problems. Demonstrated ability to quickly learn new technologies, dive deep into complex systems, and work collaboratively with a cross-functional team.

Skills

Programming Languages | JavaScript, TypeScript, Python, HTML, CSS, Perl, SQL
Libraries and Frameworks | React, Redux, emotion, Next.js, Node.js, Express, Mongoose, Django
Databases | MongoDB, Postgres
DevOps | Jira, Bitbucket, Git, GitHub
Technical Proficiencies | Linux/Unix, Computer Hardware, Data Analysis, Mathematics

Projects

Trellis | Garden Planner   2-2022
  ❖ Full-stack web application
  ❖ Built with Django REST Framework for the back-end, and Next.js for the front-end

AgiliTeam | Project Management application   1-2022
  ❖ MERN Full-stack project planner application based on Agile methodology.
  ❖ Built with React on the front-end, and MongoDB/Express.js on the back-end
  ❖ Team collaboration project.

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

Bee Fields Farm | Active e-Commerce website   2-2020
  ❖ Built on WordPress and WooCommerce platforms
  ❖ Active e-Commerce site includes products, payment processing, shipping, and a blog.
  ❖ Build from scratch

Professional Experience

Software Engineer - *Clearion* | *Remote-Internship*   5/2022-Present

  ❖ Develop new front end components from scratch and contribute code to greenfield project.
  ❖ Collaborate with the development team through code review, Jira workflow, and code integration.

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

  ❖ Twelve-week, 420+ hour intensive full-stack software development training program focused on Git/Github, HTML, CSS, JavaScript, Python, React, Node.js, MongoDB, SQL, PostgreSQL, and Django.
  ❖ Developed front-end SPA applications using React and Next.js as well as back-end REST APIs using Express and Django.

Microprocessors Development 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, analyzed 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/Farmer - *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, 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.

Volunteer Experience

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*