

Kaan Arslan

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SUMMARY

As an electric and electronic engineer, I bring over two and a half years of expertise in automation engineering, specializing in human-machine interface design, coupled with a year's experience in web development. As a self-motivated and creative front-end developer, I thrive on crafting intuitive applications and interfaces. My passion for staying abreast of new technologies drives my commitment to delivering innovative web solutions.

PROFESSIONAL EXPERIENCE

Front End Developer

Jun 2023 - Present

Freelance

Achievements

- Multiple responsive and visually captivating landing pages were created, resulting in an increase in both brand recognition and sales by providing a great demonstration to potential customers. This success led to a significant 20% increase in leads and a 10% increase in sales.
- Successfully delivered an e-commerce project featuring a functional admin panel, seamless CRUD transactions, and secure payment method integration, resulting in a substantial 15% boost in sales revenue for the customer.
- Implemented Redux Persist for efficient state management, ensuring data persistence across sessions.
- Established a secure authentication system, creating reliable user sessions with token-based authentication.
- Engaged in regular communication with multiple customers to understand project requirements, provide updates, and address customer feedback or requests.

Tooling & Techniques: HTML, CSS, Javascript, Typescript, React JS, Next JS, MongoDB, Postman, Termius

Automation Engineer

Feb 2022 - Nov 2022

Hipermak Vertical & Horizontal Packaging Machines | Izmir, Turkiye

Achievements

- Programmed multiple Human Machine interfaces with a simple and effective design which leads to a 10% reduction in training costs due to the simplicity of the HMIs.
- Integrated the Human Machine Interfaces with PLC motion control.
- The software and machinery operation scenario of a research and development project, funded by TUBITAK, an organization under the Ministry of Industry and Technology of the Republic of Turkiye, has been developed.
- Designed all of the available packaging machines' electrical plans. Significant cost reduction in technical support was achieved through the integration of the machines' electrical plan.

Tooling & Techniques: Studio5000, E-Plan, HTML, CSS, Javascript

Research and Development Engineer

Mar 2020 - Aug 2021

ABM Machinery | Izmir, Turkiye

Achievements

- Multiple Human Machine Interfaces were programmed with a simple and effective design, resulting in a 5% reduction in turnover costs due to improved user satisfaction.
- The Human Machine Interfaces were integrated with PLC motion control.
- The HMI design and algorithm of the laser cutting grinding machine, which is a research project with a grant of \$50000, was completed with the R&D team.
- Designed electrical plans for over 5 grinding machines, significantly reducing the implementation time of electrical panels.

Tooling & Techniques: TwinCAT, C#, E-Plan

PROJECTS

E-commerce Site

Jan 2024 - Feb 2024

I've successfully designed an e-commerce project for a client who wants to sell his products to franchisees. The project includes an admin dashboard with seamless CRUD operations using NEXT JS, Typescript, Tailwind CSS, Material Tailwind, and Postman. Additionally, I've adeptly integrated payment methods, ensuring a secure and smooth checkout process. This led to a 10% increase in repeat purchases from franchisees, which positively impacted revenue. Also, reduces administrative costs by 20%.

Landing Page for Burger Shop

Feb 2024 - Mar 2024

I've adeptly incorporated React-slick and swiper libraries to craft carousel sliders, enhancing the visual appeal of the website. Furthermore, I've ensured optimal responsiveness throughout the site, guaranteeing a seamless user experience across various devices. The implementation of form submission functionality was executed effectively, utilizing Formik and emailjs libraries. It contributed to a significant increase in the recognition of the brand. In a 3-month period, an increase of approximately 20% was observed in customers who wanted to buy a franchise.

Landing Page for Tiny House Facility

Aug 2023 - Oct 2023

This is a refined landing page built with the latest technologies: Next.Js, SCSS, and Chakra UI. It features responsive design, customized Chakra UI components, optimized performance, accessibility, smooth transitions, and seamless navigation. This project exemplifies expertise in Next.Js, SCSS, and Chakra UI to deliver a visually appealing, high-performance web presence. In this way, the company was able to make a profit in the off-season with the rentals made. In addition, an increase of approximately 15% was observed in the number of foreign customers renting.

Landing Page for Municipality

Jun 2023 - Aug 2023

This project is a meticulously crafted landing page, leveraging the power of Next.Js and featuring a design meticulously translated from Figma. With a focus on responsive design and a Next.Js framework, it delivers an elegant and high-performance web presence.

Web Based HMI Design

Jul 2022 - Nov 2022

Developed the software and machine operation scenario of a research and development project using HTML, CSS and Javascript. In this way, the customer was able to remotely observe both the performance monitoring of their machines and whether there were any problems on the line.

HMI Design for a Packaging machine

Mar 2022 - Jul 2022

Designed various components of PLC and HMI programs of a research project which funded by TÜBİTAK. The HMI was created using Studio5000 and FactoryTalkView.

Communication App Design

Nov 2020 - Jul 2021

In this project my goal was to provide communication between different units in the factory and also to store essential data like quantity of cnc machine sales, accounting records, stores account and workflow report. All data was stored in local server using SQL server and windows application was designed in C#.

3-Axis CNC Machine HMI Design

Jun 2020 - Aug 2020

G-codes was used to develop algorithm for precise adjustment of 3-axised circular interpolated movement. The Human machine interface was created in TwinCAT 3 with CNC license.

EDUCATION

Bachelor of Engineering Electrical and Electronic

Yasar University [2014 - 2018]

SKILLS

React JS, React Route, React Hooks, React Dom / Next JS / React-React Native / HTML5/CSS, Javascript / NextJs/Sanity.io / Git / REACT framework / CSharp (Intermediate) / Rockwell Studio 5000 / Allen Bradley - RSLogix RSLinx FactoryTalk RSVIEW / EPLAN Electric P8 / Microsoft Office: proficient user of Word, Excel and Powerpoint / Beckhoff TwinCAT software / Github / Web Development / MongoDB / Mongoose / Experience in using Postman tools for API testing.

LANGUAGE SKILLS

English **(B2)**

Deutsch **(A2)**