

Abdirahim Ismail

Software Developer

Software developer with a passion for creating engaging and user-friendly web experiences. I possess a strong proficiency in JavaScript, CSS/HTML, React, Node.js, and Express.js. I am dedicated to delivering high-quality code and implementing best practices to ensure optimal performance and usability. Committed to continuous learning and staying abreast of emerging technologies to enhance my skill set and contribute effectively to project success. am.



abdirahim08@outlook.com



07503614413



LEEDS, United Kingdom



rahimismail-portfolio.netlify.app

SKILLS

JavaScript

HTML5

CSS3

C++

Embedded C

React

Nodejs

EDUCATION

First class classification in Electronic and Electrical Engineering MEng, BEng

The University of Leeds

09/2017 - 07/2021

Leeds, England

Courses

- Digital Systems Design
- Power Electronics
- Signal Processing
- Control Systems
- Embedded Systems
- Communication Networks

A-Levels

Noter-Dame catholic College

09/2015 - 07/2017

Leeds, England

Courses

- Maths :A
- Physics :B
- Chemistry :A
- Further Mathematics :C
- Arabic :A

PERSONAL PROJECTS

Embedded Systems Game Development Project

- **Objective:** Designed and implemented a game on an Mbed development board, leveraging the NXP LPC1768 microcontroller.
- **Development Environment:** Utilized the Mbed online IDE and compiler for writing and testing the game software in C++.
- **Hardware Interfacing:** Integrated various hardware components, including buttons, joysticks, and an LCD display, using Mbed libraries.
- **Outcome:** Successfully created an interactive game that demonstrated advanced features such as real-time input handling and graphical display, enhancing user engagement.

Rahim Tube

- A YouTube-inspired website using React, JavaScript, and Material-UI, offering users the ability to search for and play videos through Rapid API integration. The site includes features such as a section for high-quality videos, custom categories, recommendation feeds, and dedicated channel pages, ensuring a comprehensive and engaging user experience.

Multi-Receiver Advanced Satellite Positioning System(GNSS) (11/2019 - 07/2020)

- During my time at university, I contributed to a project focused on developing a high-precision Positioning System with centimeter-level accuracy. My specific contributions to this project included:
 - **Communication Protocols Implementation:** Implemented and optimized communication protocols for the TM4C123 microcontroller using C, ensuring reliable real-time data exchange between sensors and the central unit. This was critical for achieving the system's high accuracy. .
 - **Data Analysis:** Conducted thorough data analysis to identify and determine the key parameters for testing, ensuring relevance and accuracy in our tests.

Rahim restaurant website

- A restaurant landing page using React, HTML, CSS3, and JavaScript. The site provides an overview of the restaurant, a menu, and table reservation functionality. The design, sourced from UI8 and implemented from Figma files, ensures a visually appealing and user-friendly interface.

Rahim real-state agency website

- This website serves as a landing page for a real estate agency, meticulously developed using React, HTML, CSS3, and JavaScript. It offers customers an insight into the agency, showcases available properties, and highlights the best deals. The design, sourced from the UI8 website and implemented from Figma format files, ensures a visually appealing and user-friendly experience.

WORK EXPERIENCE

Junior PLC software engineer PowerStar

01/2022 - 11/2022

It is a company that provides Smart Energy Solutions & power resilience technology.

Sheffield

Achievements/Tasks

- Successfully programmed PLCs using Structured Text languages, enhancing automation processes.
- Demonstrated strong problem-solving skills by effectively diagnosing and resolving issues in PLC systems.
- Fostered a collaborative environment, working effectively with a team of engineers to meet project deadlines.
- Created and maintained comprehensive technical documentation, enhancing information accessibility.
- Adapted to new technologies and tools in manufacturing operations, demonstrating flexibility and a willingness to learn.
- Provided excellent customer service, ensuring client satisfaction and building strong relationships, while conducting site visits.

INTERESTS

Football: Passionate about football, both playing and following the sport. Actively participate in local football leagues and enjoy teamwork and strategic thinking on the field. Regularly attend matches and stay updated with the latest developments in the sport.

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Urban Exploration: Enjoy discovering and photographing hidden and historical urban sites, learning about the history and architecture of different cities. This hobby combines my interests in adventure, photography, and cultural history.