



JOHNATHON RICHARDSON

Software Engineer

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Personal Portfolio: <https://jrcoded.vercel.app>

TECHNICAL EXPERIENCE

Full-Stack Service Booking Website

Tech: React, Firebase, Stripe, Resend API, Node.js

Developed and deployed a full-stack booking platform for UK and Anguilla clients using React, Firebase, and Stripe. Built real-time scheduling, service management dashboards, and responsive UI with automated email notifications for bookings and cancellations.

Smart Finance Manager App (Cross-Platform)

Tech: Flutter, Dart, Firebase, TensorFlow Lite, Plaid API

Developed a cross-platform financial management app using Flutter, Firebase, and TensorFlow Lite, featuring real-time expense tracking, AI-powered budget insights, and secure bank integration via Plaid Sandbox. Enhanced user engagement through gamified financial literacy features.

Smart IoT Intrusion Detection and Alert Prototype

Tech: ESP8266, Arduino IDE, C++, Blynk IoT Platform

Built a real-time IoT home security system using ESP8266, motion and IR sensors, and LCD displays. Integrated Blynk for mobile notifications and remote control, implemented power-efficient sleep modes, and added OTA updates with sensor fusion for reliable threat detection.

EDUCATION

De Montfort University Leicester, UK

BSc (Hons) Software Engineering

First Class Honours

Degree Mark: 80/100 | Sept 2021 – July 2025

SKILLS

Full Stack Web Development

Cross Platform Mobile app development

IOT & Embedded Systems

Flutter

Arduino IDE

JavaScript

Dart

PHP

Firebase

Github

C++

Kotlin

Python

IntelliJ

Android Studio

HTML

JavaScript XML

Css

Problem Solving

Team Collaboration

Time Management

Version Control

ABOUT ME

First-Class BSc (Hons) Software Engineering graduate with hands-on experience building full-stack mobile, IoT, and AI-integrated systems.

Proven ability to develop secure, scalable, and user-friendly applications from concept to deployment. Actively seeking a role where I can continue learning, grow technically, and contribute meaningfully to high-impact tech projects.