Jack Muir

Full Stack Developer

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Personal Summary

As a passionate BEng Software Engineering student at Canterbury Christ Church University, I'm actively involved in the tech community through the British Computing Society. Under the mentorship of seasoned Senior Software Developers, I tackle tasks and projects, consistently fueled by their invaluable feedback and guidance. Their influence drives me to constantly improve, sharpening my skills through hands-on experience and industry insights. Alongside my studies, I engage in personal projects such as an e-commerce website, a cocktail menu, and a library management system.

Technical Experience – Freelancing

Till System – Studio 6

Engineered and developed a comprehensive online web application using the MERN stack, featuring user authentication, a product catalogue, and customer order management. The app also includes real-time table service order summaries via web sockets, a cart system with checkout and total pricing, cash change calculations, and options for editing products, including mixer, size, and brand selections. This solution enhanced the venue's efficiency in processing orders and payments with minimal errors, significantly improving operational accuracy and adding a layer of professionalism. As a result, the system contributed to increased sales and attracted more clients to hire the venue.

School Information Management System – MEPA Training

Developed an online web application using a Next.js frontend, Express backend, and MongoDB database. Key features include a comprehensive catalogue of students and staff, personalized timetables based on individual data, user authentication with 2FA, modern security measures, CRUD functionalities, and various information management tools. This solution enables the school's management to handle student and staff data efficiently, ensuring quick access and secure storage. Designed to mitigate cyber threats, the system enhances operational efficiency, allowing the school to run smoothly and securely.

Projects

Personal Portfolio – www.jackmuir.dev
Developed a website to showcase my projects using HTML, CSS, and JavaScript.

The Kellen Collection – thekellencollection2-0.onrender.com
Developed an e-commerce store using MERN Stack.

Mixer – https://barproject.fly.dev/
Developed an e-commerce store using React, .NET & PostgreSQL.

OnLibrary – https://onlibrary.fly.dev/
Developed an e-commerce store using React, .NET & Postgres.

Muir Technology – https://www.muirtechnology.co.uk/
Developed a website to advertise my web development services using Next.js and Supabase.

Technologies

Frontend: HTML, CSS, TailwindCSS, JavaScript, Typescript, Bootstrap, React, Next.js.

Backend: C#, Node.js, Express, .NET.

Database: MongoDB, Supabase, PostgreSQL, SQL.

Education

Canterbury Christ Church University | 2023 – Current

Pursuing a BEng Software Engineering (expected graduation 2026)
Relevant coursework: Programming Design and Development, Database Design, Web Development, Networking, Software Engineering, Computer Security.