David MacDonald
Junior Developer

North West England

david-p-macdonald@outlook.com

07553983708

Website

David-MacD

David MacDonald

Skills

Web Development

JavaScript TypeScript

NodeJS HTML CSS

Tailwind SQL React

Other Programming

F# C# dotnet

Interests

Functional Programming

Haskell F# Ocaml

Gleam

Modding and Scripting

Lua Powershell

Games

JRPGs CRPGs

Zachtronics

A software development enthusiast, programming is more than a profession. Over the many years of shelved hobby projects, I've learned the value of focus and agility when developing software. I used to be concerned with the notion of writing software that I wasn't interested in, but over the years I've come to appreciate that programming is first and foremost a problem solving exercise, and there is enjoyment to be extracted from all problems big and small.

Projects

Fin «» https://github.com/David-MacD/fin

A command line program to install programs from manifest files, written in modern .Net and F#, a functional programming language that is a direct descendant of OcaML. It was a good exercise in separating effects from pure logic, domain modeling and static typing.

F# .Net 9

Objective CV «» https://github.com/David-MacD/ocv

The program that generated this CV! It takes a json object with all the CV data and then, given a theme, renders it with the help of react-pdf. The components supplied by react-pdf are reminscent of React Native, and really demonstrates the flexibility or the agnostic nature or rending UI in React.

TypeScript Node.js React Tailwind

Hummingbird «» https://github.com/sprintstars/hummingbird

The SoC final project, which placed great emphasis on working in a team with a real stakeholder company and their real problem. It was a great exercise in planning and teamwork, with daily standups, pair programming and retrospectives. The collaboration with colleagues, weekly meetings with the stakeholder and the final presentation taught me the importance of communication and teamwork in a software development environment.

TypeScript Node.js React Tailwind Next.js PostgreSQL

Supabase Agile

School of Code

Having programmed solo for a number of years, this bootcamp taught me the value of intense collaboration. We had to work agile with tight deadlines. Each week consisted of a different topic with different problems to solve, and culminated in a hackathon complete with demo and presentation to the instructors and our peers.

Frontend, Backend, Fullstack Web Dev, QA & Testing, DevOps, Cyber Security, AI, Product development with UI & UX

A final project with a real stakeholder, putting everything we'd learned into practice

Pair programming, agile development, retrospectives, standups

First-thing-in-the-morning squats!

IL ltd, PACE, McGuinley, Viking...

A varied contractor role working on the British rail systems. It is a thoroughly safety-critical role that requires good communication and teamwork as well as attention to detail. Every job was different, and I was outdoors in all weather.

Operating heavy tools and machinery, coordinating with the gang during track renewals

Filling voids and profiling the ballast for PW stability and adequate drainage

Technical adjustments of gauge and camber

Putting on a new pair of dry socks at the end of a shift!

Get in touch today