

Ross McIntyre

Full Stack Web Developer / Software Engineer

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Profile

I am a Full Stack Web Developer, currently enrolled on the University of Manchester Full Stack Coding Bootcamp (part-time, evening and weekends) which I will complete in March 2021.

I am able to learn and adapt to new languages, technologies and frameworks quickly. I am highly passionate and motivated about programming and I am therefore looking to move away from my current career and I am seeking my first role in software development.

Technical Skills

Front End Web Development

- Responsive web design with mobile first UI/UX focus using HTML5/CSS3 and Bootstrap.
- Dynamic web API implementation JavaScript/jQuery and React.js

Back End Web Development

- Back end web development using Node.js and Express.js.
- Database design and management using MongoDB.
- Familiarity with server-side HTML templating engines such as Pug and Handlebars.

General Purpose Programming

- Functional and Object-Oriented Programming with JavaScript and Python.
- Version control utilising Git and GitHub/GitLab.
- Understand and experience of Test Driven Development and Unit Testing.

Projects

Pub Quiz Application - <http://pub-quiz-builder.herokuapp.com>

- A full stack web application utilising Node.js/Express.js for back end with a MongoDB database, deployed using Heroku. New web pages are rendered using the Pug HTML templating engine.
- The user is able to dynamically create, edit, play their own quizzes, which can be submitted and saved to a MongoDB, with jQuery/JavaScript for front end.

Weather Dashboard - <https://ross-mc.github.io/weather-dashboard/>

- A front end web application using the Open Weathermap API built with jQuery.
- I really enjoy the creativity of web development and this project I really wanted to showcase my skills in creating beautiful and intuitive UI/UX.

Imitation Barbershop Website - <https://rossmcintyre.tech/barbershop-website/barbershop.html>

- A website for a mock barbershop website constructed with jQuery and HTML/CSS.
- Mobile first, responsive design with intuitive UI/UX.

Further examples of my software development projects are available on my portfolio website (www.rossmcintyre.tech) and my GitHub profile (www.github.com/Ross-mc).

Education

University of Manchester – 2020-2021

Full Stack Coding Bootcamp – A part time course taking place at evenings and weekends which gives me the flexibility to work full time whilst completing the course.

The technologies and frameworks covered in the course include: HTML5, CSS3, JavaScript, jQuery, Bootstrap, Express.js, React.js, Node.js, MongoDB and MySQL.

University of Liverpool – 2010-2013

BSc (Hons) in Geology 2:1

Winstanley College – 2007-2009

A-Level: Geology (A), Business (A) and Economics (A), AS-Level: Mathematics (B)

The Byrchall High School – 2002-2007

GCSE: 11 GCSEs including 3A*s, 6As, 2Bs

Employment History

Earth, Environmental & Geotechnical Ltd – Associate Director November 2020 to Present

- Associate Director at a SME geotechnical consultancy in Manchester.
- Responsible for managing a team of six Senior and Junior Engineers with a 7 figure annual turnover.
- My role includes managing the workload of the team and communicating project goals across the team.
- Responsible for client liaison including tendering for new contracts.

GeoDyne Ltd – Senior Geo-Environmental Engineer September 2013 to November 2020

- I was employed as a Geo-Environmental Engineer at GeoDyne for 7 years, beginning as a Graduate Engineer and with successive promotions to Senior Engineer.
- I was responsible for managing a team of Junior Engineers and Contractors to complete complex ground investigation projects.
- Production of detailed technical reports for regulatory approval.
- In January 2019, opened and managed the North West office of the company as a new venture.
- Responsible for marketing the company to bring in new Clients, as well as expanding the company's geographic reach with existing Clients.

One aspect of this work is the production of Ground Gas Risk Assessments. The data for this assessment is stored in a basic Excel spreadsheet that dates from 2001. This data was then processed via hand and entered in to reports manually. I took it upon myself to significantly update the datasheets to conform to current guidance and to automate the entire assessment. This project is what initially sparked my interest in programming and led me to explore JavaScript and Python.

Personal

Aside from my career, I enjoy an active lifestyle and my hobbies include football, golf, badminton, cycling and long walks with my Labrador. I also enjoy completing coding challenges such as Edabit and Project Euler.

References

Available upon request.