John Marsden Full Stack Developer

Armed with web development skills and experience, comprising of modern frameworks and libraries, and paired with a problem solving yet creative and innovative mind, I am able to deliver elegant and user-centric solutions effectively and efficiently.

With a decade's worth of experience of programming machines and robots for the architectural and engineering manufacturing sectors, I have an eye for detail and am able to adapt to rapidly changing situations, which I now bring to web development.

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Projects

Tracked

A two week bootcamp project which allows users to track multiple deliveries and see their overall delivery data in one place. This website has a strong emphasis on **RESTful API** requests along with an intuitive user journey and was built on a **Rails** framework with **PostgreSQL**, **JavaScript ES6**, **HTML5** and **SCSS**. Working and managing a team of four meant versioning and product management was vital and achieved with **GitHub** and Trello.

Playlistify

A Spotify playlist app built while learning **React** which allows users to search for tracks and save newly created playlists. The app uses an **OAuth 2.0 implicit grant flow** to allow the user to save playlists to their Spotify account and both searching and saving are handled by **RESTful API** requests.

Blanck Mass

Website for a musician who wanted to expand his online presence and have more freedom on the content he posted than was available with his previous host. Built on a **Rails** framework with a backdoor admin page so the user can post custom content and media using a **WYSIWYG** editor, these posts are then saved in a **PostgreSQL** database,

Education

Le Wagon - Full Stack Web Development Bootcamp
London | Jan '20 - Mar '20
Full-stack web development bootcamp covering a Rails MVC framework comprising Ruby, Rails, JavaScript ES6, SQL/PostgreSQL, HTML5 and SCSS/CSS as well as product management.

Arts University Bournemouth
Bournemouth | Sep '08 - Jul '11
BA (Hons) Modelmaking

Employment

CNC Programmer and Operator
Chanel | Oct '19 - Dec '19
- Working within the manufacturing team to programme and operate the in-house CNCs

5 Axis CNC Programmer and Application Engineer
Attewell | Aug '18 - Sept '19
- Worked with high profile clients such as Airbus and Boeing
- Responsible for programming the four in-house 5 axis CNCs and managing the workflow and trailing of new jobs
- Adhering to 5S lean manufacturing

CNC Programmer and CAD Engineer
Foster + Partners | Nov '13 - Jul '18
- Helped grow the workshops CNC capacity and brought over 90% of jobs in-house
- Worked alongside the workshop assisting in CAD/CAM/3D printing
- Responsible for overseeing the production line and the three in-house CNCs and Kuka robot

Languages

- Ruby
- Rails
- JavaScript ES6
- React
- HTML5
- CSS/SCSS
- SQL/PostgreSQL

Technical Skills

- OOP concepts
- TDD workflow
- RESTful APIs
- MVC structures
- Github collaboration
- UI/UX
- Heroku

Interests

- Photography
- Travelling
- Cinema
- Design
- Art
- Hiking
- Cooking