

# John Marsden Full Stack Developer

A creative and innovative full stack developer who is ready to roll up his sleeves and tackle any problem put in front of me. Have a fondness for all things JavaScript and enjoy building intuitive and elegant user interfaces.

Spent the past 10 years working on global projects with multidisciplinary teams as a 3D modeller and manufacturing engineer in the architectural and aerospace sectors. This hybrid background gives me a keen eye for detail and precision while also being a strong problem solver, which I now bring to software engineering.

## Projects

### Tracked

A two week bootcamp project pitched by myself and built in a team of four on a **Ruby on Rails** framework, where users can track multiple deliveries and see their overall delivery data in one place.

- Solely responsible for designing and building the user interface using **JavaScript, HTML** and **SCSS** the user interface is customisable and responsive
- Developed the backend which handles **REST API** requests using **Ruby**
- Implemented the includes **eager loading** functionality to limit the queries made to the database

### Playlistify

A Spotify API based SPA built with **React** where users search for tracks and save newly created playlists.

- Wrote **JavaScript asynchronous** functions to handle the **API** requests
- Developed a **regex** method to create custom routing depending on if the user is signed in or not
- Utilised **CSS animation** to give feedback to the user resulting in a greater user experience

### Blanck Mass

A commissioned 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.

- Designed the **class inheritance** structure for similar objects resulting in easily maintainable code
- Incorporated **pagination** to display the content saved in the **PostgreSQL** database

## Education

### Le Wagon - Full Stack Web Development Bootcamp

London | Jan '20 - Mar '20

- Full-stack web development bootcamp comprising of TDD principles across a stack of Ruby, Rails, SQL/PostgreSQL, JavaScript ES6, HTML, SCSS/CSS, product management and Github versioning

### Arts University Bournemouth

Bournemouth | Sep '08 - Jul '11

- BA (Hons) Modelmaking

## Employment

### Full Stack Web Developer

Freelance | Mar '20 - Present

- Built a commissioned website for an established musician increasing his SEO ranking and expanding his online presence

### 5 Axis CNC Programmer and Application Engineer

Attewell | Aug '18 - Sept '19

- Reduced the lead times on one of the most time consuming projects by up to 40% by incorporating the use of 3D printed fixtures
- Created a workflow which logged lead times which allowed job quotation to be more accurate

### CNC Programmer and CAD Engineer

Foster + Partners | Nov '13 - Jul '18

- Expanded the workshops CNC capacity and brought over 90% of jobs in-house which lead on to the introduction of improved software and machines

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## Languages

- JavaScript
- Ruby
- HTML
- CSS / SCSS
- MySQL / PostgreSQL
- MongoDB

## Frameworks / libraries

- Node.js
- Express.js
- React
- Ruby on Rails

## Prototyping

- Sketch
- Figma
- Adobe packages

## Technical skills

- OOP concepts
- TDD workflow
- REST APIs
- MVC architecture
- Git / Github
- Postman
- Heroku
- CAD/3D modelling

## Soft skills

- Team-oriented
- Excellent communication
- Self-motivated
- Detail-oriented