

# John Marsden Full Stack Developer

An ambitious and innovative full stack developer with 10 years' experience as a CNC and robotic programmer for the architectural and aerospace sectors. During which I worked on global projects with high profile clients such as Apple, Bloomberg and Airbus.

I've been passionate about building and technology all my life and this passion fuelled my decision to retrain as a developer. I have a particular interest in APIs and automation which compliments my strengths from my engineering background. I now bring my existing and new technical skill sets to web development and the creation of digital solutions for end-user applications.

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## Projects

### Tracked

A two week bootcamp project built on a **Rails** framework which allows users to track multiple deliveries and see their overall delivery data in one place.

- Developed the backend which handles **REST API** requests using **Ruby**
- Designed the **responsive** frontend using **HTML 5** and **SCSS**
- Managing a team of four meant versioning and was vital and achieved with **GitHub** and Trello

### Playlistify

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

- Wrote **JavaScript ES6 asynchronous** functions to handle the **API** requests
- Set up an **OAuth 2.0 implicit grant flow** so users could save playlists to their Spotify account

### 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, HTML5, SCSS/CSS, product management and Github versioning

### Arts University Bournemouth

Bournemouth | Sep '08 - Jul '11

- BA (Hons) Modelmaking

## Employment

### CNC Programmer and Operator

Chanel | Oct '19 - Dec '19

- Reworked an existing project to increase the quality of the part and reduce its cycle time by 25%

### 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

## Languages

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

## Technical skills

- OOP concepts
- TDD workflow
- REST APIs
- MVC structures
- Github
- UI/UX
- Heroku
- CAD/3D modelling
- Adobe packages

## Soft skills

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

## Interests

- Technology
- Photography
- Travelling
- Art and design
- Hiking