

# Marc Antoni Mas Ródenas



Nanoscientist, Physicist and  
Developer

## Profile Summary

Versatile professional transitioning from **Renewable Energy** to **Web Development**, with a strong passion for **programming** and **emerging technologies**. With experience leading **Technical Operations** and managing **solar projects**, I have developed skills in **project management** and **process optimization**. Currently focused on **web development** and **blockchain technology**, I excel at adapting to new challenges and applying **innovative solutions**.

## Contact Details

@ marctonimas@outlook.es

+34 652 13 48 06

## Skills

- **Languages:** Javascript, Solidity, Typescript, VBA, SQL, Python
- **Web Development:** React, HTML, CSS, Express, Vue, Node, Tailwind, Next, MongoDB
- **Others:** Git, Excel, Hardhat, web3, Power Apps, Power Automate, Power BI, Power Query, Power Pivot

## Languages

Spanish · Native

Catalan · Native

English · Professional Use

German · Basic Level

## Others

Drivers License · B, A2

More info:

<https://mtmarctoni.github.io/my-cv/>

## WORK EXPERIENCE

### Director of Solar Engineering and Innovation

EFIWATT

01.2022–11.2024

- ◇ Led software development initiatives, creating custom tools and automating workflows using JavaScript and Microsoft Power Tools.
- ◇ Developed comprehensive data analysis systems with Excel and Power BI to optimize solar production and generate automated reports.
- ◇ Managed end-to-end technical operations for solar projects, implementing automated solutions for project monitoring and energy optimization.

### Renewable Energy Project Manager

EFIWATT

02.2021–01.2024

- ◇ Developed custom software for photovoltaic savings studies using Excel and VBA.
- ◇ Optimized solar production and self-consumption efficiency through system design and equipment selection.
- ◇ Led technical department, managing inventory and creating technical documentation for photovoltaic installations.

### Entrepreneurship

Autodidact

2019–2021

- ◇ Self-taught entrepreneur who managed a digital marketing company. Developed JavaScript and Excel VBA skills for automation while creating and implementing marketing strategies for various clients. Showcased adaptability and self-learning through independent project management and business process automation.

### Researcher at ICMAB-CSIC

Institute of Materials Science of Barcelona

09.2017–07.2018

- ◇ Conducted computational simulations in the Theory and Simulation Group under Jordi Farauto. Utilized NAMD and VMD software to study the origins of life through molecular dynamics simulations of prebiotic molecules.

### Researcher at ICFO

The Institute of Photonic Sciences

06.2016–10.2016

- ◇ Worked in the Ultrafast Optical Dynamics of Solids Group led by Professor Simon Wall. Focused on characterizing ultrafast pulses from a solid-state femtosecond laser and studied phase change materials using the "Pump-Probe" technique.

## EDUCATION

MASTER OF RENEWABLE ENERGY AND ENERGY SUSTAINABILITY

International University Center of Barcelona - UNIBA

2018–2019

ERASMUS SEMESTER, PHYSICS

Universität Wien

Winter Semester 2018

BACHELOR OF PHYSICS

Autonomous University of Barcelona - UAB

2015–2019

BACHELOR OF NANOSCIENCE AND NANOTECHNOLOGY

Autonomous University of Barcelona - UAB

2013–2017

## CERTIFICATIONS

- ◇ FULL STACK OPEN - DEEP DIVE INTO MODERN WEB DEVELOPMENT  
University of Helsinki