

# Antonio Dias

## Full Stack Software Developer

Full Stack developer with a physics background. Excited to ensure all stages of data flow are optimized from inception to display. Seek automation and scalability of processes wherever possible.

### Contact

#### Address

Lisbon, 1600

#### E-mail

amcbd89@gmail.com

#### WWW

<https://antonio-dias-cv.netlify.app>

### Skills

Cloud, Embedded, Web

CI/CD

Javascript, Python, PHP

HTML, CSS

SQL, noSQL

C, C++, Rust

React, Vue

Matlab, R

Autocad, SolidWorks

### Languages

English, Portuguese, French, Spanish

### Work History

2022-09 -  
Current

#### Development Team Lead

*Lifepowr NV, Antwerp, Belgium  
(Remote)*

Implement products which allow the company to successfully participate in European energy markets. Applying these products now generates steady recurring annual revenue.

Develop the processes that ensure a transparent and efficient team environment, leveraging automation to minimize redundant workload (eg. Jira, Bitbucket, Confluence).

Define the long-term strategy decisions by prioritizing a sensible and healthy roadmap.

Collaborate with other departments (Operations, Business Development, etc...).

Promote growth, mentoring and accountability among software developers.

2020-04 -  
2022-09

#### Senior Software Developer

*Lifepowr NV, Antwerp, Belgium  
(Remote)*

Designed a system architecture to allow monitoring and management of IoT devices in the residential energy sector.

Implemented the aforementioned architecture emphasizing scalability, cost-effectiveness, and flexibility.

The implemented system secured initial funding and continues to support its growth and cash flow.

Leveraged AWS, embedded systems development tools, and web development for a secure, testable, and stable environment.

2019-01 -  
2020-01

#### Full Stack Developer

*MovAI, Cascais, Portugal*

Implemented a web-based visual programming for automated guided vehicles in the logistics sector using React and Python.  
Linked the Robotics Operating System tools and the high level Python language.  
Onboarded new developers.

**2016-01 -  
2017-01**

### **Data Acquisition Consultant**

*CERN, Geneva, Switzerland*

Supported data acquisition efforts.  
Advised on best practices, providing scalable solutions. Promoted future development and roadmaps.

**2013-01 -  
2016-01**

### **Marie Curie Fellow**

*CERN, Geneva, Switzerland*

Maintained a data collection, acquisition, and monitoring platform for the CLOUD experiment at CERN.  
Implemented requirements for various data inputs and visualizations  
Developed a platform for generic scientific instrument data acquisition management, with client and server apps to gather, store, and visualize data.



## **Education**

**2020-06**

### **Ph.D.: Data Acquisition**

*Lisbon University, Faculty of Sciences - Lisbon*

Development of a data acquisition software for scientific instruments.  
Integrating relational databases in a timeseries format, data acquisition clients and central server to allow generic data collection, storage and visualization

**2012-11**

### **Master of Science: Plasma Physics**

*University of Lisbon, Instituto Superior Tecnico - Lisbon*

Modeling of Low Pressure Plasmas in CH4-H2 Mixtures