

# JOSÉ BERNARDO

I previously was working as R&D engineer in Microelectronics and AI technology from **ISA - Lyon (4 years)**.  
Actually working for ABMI company as **R&D project manager**, and I am open for new opportunities.

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## WORK EXPERIENCES

### 2023 - NOW: R&D PROJECT MANAGER : ABMI GROUP

- Technical support, robotics, project management
- Project task panification & validation
- Project progress monitoring & coordination
- Technical project documents - writing - validation
- Project risks panification & status communication

### 2018 - 2022: RESEARCH ENGINEER : ISA - LYON

- Designing of micro-sensor for medical applications, microfabrication, characterizations and tests

### 2018 - 2020: TEACHING ASSISTANT : INSA - LYON

- Assist students to handle instruments: physical experiments and measurements

### 2021: MICROFABRICATION ASSISTANT : ESIEE

- Photolithography, copper electroplating, electrical and morphological characterization (3 **months**)

### 2017: RESEARCH ASSISTANT AT IMS - POLAND

- Nanocomposites fabrication process, characterization, data processing and analysis (4 **months**)

## EDUCATION

### 2018 - 2022: UNIVERSITY OF LYON 1 (UCBL)

- **PhD thesis** - Microelectronics & Medical instrumentations & IA models experimentations

### 2015 - 2018: UNIVERSITY OF LE MANS

- Master degree - applied physics: nano materials for nanotechnologies and optics engineering
- Bachelor degree - physics for nanomaterials

### 2013 - 2016: UNIVERSITY OF LORRAINE

- Bachelor degree - Electronic and telecommunications
- DUT networks and telecommunications from University Institute of Technologies - Nancy

## SKILLS

### QUALIFICATIONS

- Microelectronics and microfabrication
- Collaborate with engineers, designers, DevOps
- Mechatronics, robotics & AI - Industrial products
- Project management & coordination
- Planning & monitoring project execution
- Project budget management
- Provide regular project updates
- Data analysis - Power BI
- 3D Modelling and simulations
- CE conformity, UX design, ISO 5-6 clean room
- DM certification: ISO 13485, ISO 10993, ISO14971

### MODELLING AND SIMULATION FRAMEWORKS

- COMSOL Multiphysics, CST MWS, Solidworks
- ROS, Gazebo, Moveit

### DATA SCIENCES AND PROGRAMMING

- Python, JavaScript, Elixir, C / C ++
- TensorFlow, Keras, GCP, AWS, GitHub
- Web Dev : node js, css, html, react, CD/CI
- Linux, Windows, Mac OS

### GENERAL AND BUSINESS

- Gantt - User story - MS project - Trello - Agile
- Innovation, Intellectual property
- Accounting and financial analysis, investments

## LANGUAGE ABILITY

**English:** Professional proficiency - fluent

**French:** Fluent

**Portuguese:** Mother language

**Spanish:** Pre-elementary

## INTERESTS

- Playing guitar and Ukulele
- Running and playing football
- Entrepreneurship, personal development
- Philosophy, culture and well-being

## REFERENCES

### ABEL RANGEL TREJO

R&D Engineer

ISA Lyon, Interfaces and Bio-sensors  
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### FRANÇOIS DECHAMP

Head of R&D department

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