







# JOÃO DONATO SILVA

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 https://joaodonatosilva.github.io/CV\_online/



## PROFESSIONAL EXPERIENCE

### System Integration Solution Engineer

#### Nokia

 November 2017 – Ongoing     Lisbon, Portugal

- Network IP planning for the following Core network elements: HSS, HLR, One-NDS, SDL, DNS, MSS and MGW.
- Create and update project documentation and customer deliverables such as HLD or LLD documents.
- Work in many projects dealing with the customer and internal employees of different technical areas from several different countries of the world.
- Involved in projects with Bare Metal or Cloud environments. Gave formation and guidelines for the SDM area to new team colleagues. Responsible for the testing of an automation tool procedure. Present in the Nokia NPO communications team.

## EDUCATION

### Integrated Master Degree in Electronics and Telecommunications Engineering

#### University of Aveiro

 September 2009 – July 2017     Aveiro, Portugal

- Description – Master degree focused on Electronics, Telecommunications, Informatics, Signal Processing, Systems and Control.
- Master thesis – "Medical Signals Monitoring".  
Create a medical device that measures Heart Rate, SpO2, Blood Pressure and Glycaemia through 2 fingers in a non-invasive form. For this project it was required the collection, processing and analysis of the medical data obtained.

### Workshop "Medtech" organized by EESTEC


#### Technical University of Munich

 December 2016     Munich, Germany

- Description – Workshop in Munich with the title "MedTech" about life-saving technologies done with people from different European countries. It consisted in visiting some of the most advanced medical research institutions in Munich.

### Course - "Hack It, Test It, Try to Break It!" organized by BEST

#### Politehnica University of Timisoara

 July 2016     Timisoara, Romania

- Description – Summer course organized by BEST about Computer Security done with people from different European countries in Timisoara (Romania).

### Erasmus+ programme

#### AGH University of Science and Technology

 October 2014 – February 2015     Krakow, Poland

- Description – Spent one semester studying in Kraków (Poland) in a different culture, with different teaching methods, with people from all over the world.

## SUMMARY

Electronics and Telecommunications Engineer by training, Data Scientist by passion. Enthusiastic about using data to make better decisions, to be more efficient and to better understand the world.

## PROFESSIONAL SKILLS

Programming  
Mathematics  
Data processing



## SOFT SKILLS

Organization    Self-taught    Persistent  
Open-Minded    Team Work    Research  
Detail oriented    Creativity    Flexibility  
Responsibility    Hard worker

## HARD SKILLS

### • Programming languages

Python    C    Matlab    R    Java  
Assembly    LaTeX    SQL

### • Data Science libraries

Numpy    Pandas    Matplotlib  
Plotnine    Ggplot2    Plotly    Tidyverse

### • Data Science tools

Ananconda    Spyder    PyCharm  
Jupyter    RStudio    GitHub  
PostgreSQL

### • Software

Matlab    MS Excel    MS Word  
MS Visio    MPLAB    LTSpice    Eagle  
Wireshark

### • Operating Systems

Windows    Linux

### • Microcontrollers

Microchip PIC32

# LANGUAGES

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Portuguese  
English



# CERTIFICATES

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Course "Data Visualization with Python"

**IBM Cognitive Class in Coursera**

📅 January 2021 – No Expiration Date

Course "Python for Data Science and AI"

**IBM Cognitive Class in Coursera**

📅 December 2020 – No Expiration Date

Certificate "Design Engineer level 3 - Shared Data Layer"

**Nokia**

📅 December 2020 – No Expiration Date

Course "Data Science Methodology"

**IBM Cognitive Class in Coursera**

📅 October 2020 – No Expiration Date

Course "Tools for Data Science"

**IBM Cognitive Class in Coursera**

📅 October 2020 – No Expiration Date

Course "Data Science Orientation"

**IBM Cognitive Class in Coursera**

📅 October 2020 – No Expiration Date

Certificate in English level B2

**University of Aveiro**

📅 June 2014 – No Expiration Date

# OTHER EXPERIENCES

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Volunteer

**Re-Food**

📅 September 2019 – Ongoing

📍 Lisbon, Portugal

Futsal

**Course team in University**

📅 2011-2014 and 2015/2016

📍 Aveiro, Portugal

Football

**University of Aveiro team**

📅 2013/2014, 2014/2015

📍 Aveiro, Portugal

**Sertanense Futebol Clube**

📅 2001-2010

📍 Sertã, Portugal

# OTHERS

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- Driving License – B,B1 since 2009
- ‘Erasmus Buddy’ (Helped an Erasmus student to integrate in Aveiro) in 2015
- Went on an Interrail trip in 2013 (8 countries visited in 23 days)
- Self-taught in guitar since 2008
- Self-taught in piano since 2007