



# PAU ISACH NOGUERA

FULL-STACK DEVELOPER

ELECTRONICS AND TELECOMMUNICATIONS ENGINEER



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Barcelona - Spain



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## SUMMARY

Engineer with scientific and technological skills and experience aimed at a versatile sector related to the world of programming.

Flexible and creative professional with the ability to conceive, design and develop any project related to computer software.

Contribute positively to the company with personal evolution in the workplace as the main professional objective.

## ACADEMIC EXPERIENCE

2022

### FULL-STACK DEVELOPMENT BOOTCAMP

UPGRADE HUB / Madrid - Remote

2019

### ELECTRONICS AND TELECOMMUNICATIONS DEGREE

UNIVERSITY OF BARCELONA / Physics' Faculty

2013

### LEISURE AND FREE TIME INSTRUCTOR COURSE

GOVERNMENT OF CATALONIA / Lleida

2012

### ENGLISH LEVEL B2 - FIRST CERTIFICATE

OFFICIAL SCHOOL OF LANGUAGES (EOI) / Manresa

## LANGUAGES AND PROGRAMS

### FULL-STACK PROGRAMMING

HTML & CCS / JavaScript / Angular / React /

PHP / Symfony / SQL (MySQL) / Node /

MongoDB / Agile (SCRUM) / Git / Docker.

### ELECTRONICS AND TELECOMMUNICATIONS

Java / Phyton / C++ / Verilog / Multisim /

Matlab / LabView / Arduino / LT Spice / DSpark.

### AUTOMATION AND ROBOTICS

ABB / KUKA/ FANUC / Siemens / B&R / Sick /

Bihl Wiedemann / SCADA / IoT.

## IDIOMS

➤ Catalan (Native) / Spanish (Native)

➤ English (Intermediate - High)

➤ Italian (Basic)

## PROFESSIONAL EXPERIENCE

### TAVIL IND S.A.U.

2020 - 2022

*Automation and Robotics Programmer (Commissioning)*

Tavil is a leading technology company that designs, develops, and produces customized solutions and turnkey projects internationally. My role was as an automation and robotics programmer specializing in Automatic packing lines, Pick & Place, and Palletizing during all phases of the project (software/hardware design, programming in the company workshop, and commissioning at the client's business).

### CELLNEX TELECOM

2018 - 2020

*Telecommunications Technician (Broadcast)*

Cellnex is the principal European operator of wireless telecommunications infrastructure. My role was to support the engineering and provisioning sector of the Broadcast department, calculating radio coverage and developing technical projects (PP/PV projects, wind energy parks, emissions, legalization, impact studies, DTT, RD1066 certifications, and internal documentation).

## LICENSES AND CERTIFICATIONS

2020

**Automation Studio Control / Motion & Visual Components** - B&R Industrial Automation

2020

**IRC5 / Pick Master 3.0** - ABB

2020

**KUKA Robots Programming P1 & P2** - KUKA

2020

**IRPickTool & IRVision / TPE Programming** - FANUC

## Technical Skills

- ✓ Full-Stack Programming
- ✓ Electronics and Telecommunication
- ✓ Automation and Robotics
- ✓ Physics and Math
- ✓ Project Management

## Personal Skills

- 🗂 Organization
- 👁 Observation
- 🔄 Adaptation
- 📈 Self-improvement

## Professional Objective

Being part of a work team with common values such as commitment, effort, honesty, respect, responsibility, valuing initiative, creativity, and determination.

## Additional Information

- ❖ Immediate Incorporation
- ❖ Remote Work Availability
- ❖ B1 Driving License (own vehicle)

## CONTACT



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<https://github.com/Nughy10>

2020

**TIA Portal / WinCC** - Siemens

2020

**AS-I 3.0 & AS-I Safety** - Bihl + Wiedemann

2012

**Italian Course** - Logos Language Academy

2011

**General English Course, B1 Threshold level (CoE)** - The Inlingua School of Languages (Malta)

2009

**English Exchange** - IES Guillem of Bergueda with Västervik Institute (Sweden)

## UNRELATED PROFESSIONAL EXPERIENCE

<b>Bergueda Recycling Plant</b> - <i>Plant Manager</i>	2017-2018
<b>Il Pomodoro Restaurant</b> — <i>Waiter and Chef's assistant</i>	2016-2017
<b>Summer Camp in Polinya (Ares Group)</b> - <i>6-12 years old monitor</i>	2015-2016
<b>DIR Campus Gym</b> - <i>Paddle tennis trainer</i>	2014-2015
<b>Sports Camp in Berga</b> - <i>6-16 years old and ICEE group monitor</i>	2011-2014

## PERSONAL PROJECTS

<b>LASER "LIGHT SHOW"</b> - <i>Final Degree Project (TFG)</i>	2019
Design and implementation of a laser connected to two galvanometric motors controlled by Arduino (SPI protocol) through an interconnection board made exclusively for this project (Design Spark) and managed by an external user interface (Windows Forms Application - Microsoft Visual Studio).	
The external user interface consists of a user registration and control screen (SQL Server), a screen with a Password recovery program via Gmail, and a final user screen for the control and execution of a laser show of trajectories (x-y figures).	