

Ibrahima BA  
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43 years old  
B license with vehicle



## ELECTRONICS TECHNICIAN

Responsible, dynamic, motivated and creative,  
20 years of experience have allowed me to acquire expertise as an electronics technician.

### SKILLS

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Use of measurement and testing facilities	▪ Multimeter, micro-ohmmeter, oscilloscope, network analyzer, oven.
Electronics	▪ Digital and analog, ▪ SMD and surface component soldering, ▪ Card repair, ▪ Card pro-typing by wrapping.
Software Tools	▪ MATLAB - Orcad Schematic - KiCad - Easy EDA - LTspice, ▪ Visual Code - Visio - Jira.
Programmable components	▪ Xilinx, Actel, EPLD, and ALTERA FPGAs.
Microprocessors/ $\mu$ C	▪ Xilinx -Zyncq-7000 (LIMM).
Instrumentation	▪ GPIB, VXI, COMPACT PCI, JTAG.
Communication Protocols	▪ CAN, Ethernet, Bluetooth, GPIB, MQTT (FMS-CAN).
Notion of coding on languages	▪ Assembler, C, BCL, HTML, SHELL, Batch, and Python.
Office automation	▪ On Mac OS, Windows (10, XP, 7) and, Ubuntu, ▪ Office Pack: Word, Excel, Power Point, ▪ Mac Pack: Page, Numbers, Keynote, Freeform, ▪ Linux Pack: Libre Office Suite.
Versioning system	▪ Gitlab, and GitHub.

### FORMATION

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Since 2017	Preparation of the CNAM Electronics <b>Systems Engineering Diploma</b> - IPST Toulouse, France.
2008-2010	<b>BTS - Electronic System</b> Déodat de Séverac Toulouse, France.

### LANGUAGES

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English B2  
Fulani, spoken

## PROFESSIONAL ACTIVITIES

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- Metavonics** - Toulouse - Service – **Electronics Systems** **10/2024 – 03/2025**  
Participation in the manufacture of electronic products and prototypes,  
Assistance with testing, integration, validation, electronic manufacturing and board rework under the binocular magnifying glass,  
Fault finding,  
Drafting of the assembly range for DA and TIU electronic units.
- Navocap - RATP subsidiary** - Blagnac - **System and VOIP electronics technician** **12/2021 – 10/2023**  
Validation of electronic cards and boxes for the railway,  
Audio Switching of an Audio Mixing System Using BCL (Barix Language Code),  
Implementation of a truth table for VOIP management,  
Proof of concept on a NETMODULE NB 800 router for MQTT (FMS-CAN) operation,  
Setting up a test bench for a VOIP box.
- Creation of 2EV Technologie** - Electronics and Monitoring Study - Technologies **Since 09/2020**  
Blagnac - **Systems Electronics**  
Implementation of board, test bench, drawer and electronic system,  
Assembly, integration and validation (compliance with the V-cycle).
- IRAP** - Institute for Research in Astrophysics and Planetology - Toulouse - **Assistant Electronics Engineer** **03/2020 – 08/2020**  
As part of the SPIP project: Updating of the schematic with the Orcad software, Synoptic realization of the hardware integration of the spectro bay,  
Preparation of the file and follow-up of the wiring manufacturing, participation in the drafting of test procedures, realization of unit tests, at each reception of the electronic sub-assemblies, integration of the spectrograph control electronics.
- STEEL ELECTRONIQUE** Martres-Tolosane - **Assistant Electronics Engineer** **06/2018 – 06/2019**  
Porting with "Progressive": Test, analysis, repair and acceptance of ECUs  
ANGELS and NINANO for HEMERIA, test bench in a laboratory and clean room.  
Characterization of the computer's functionalities (Sensor, GYRO, MAGNETO, CAN).  
Testing the Angels Calculator in an oven, making test scripts.
- CLS** Ramonville - Subcontracted for Abylsen Sigma - **Electronics service** **02/2016 -05/2018**  
Repair and preparation of electronic terminals,  
Repair of beacons by replacing capacitance, integrated circuit, modem, battery, as well as software updates of satellite terminals. Satellite and leak check in a tank heated to a certain temperature.  
Participation in the preparation of the beacons for the race (Vendee Globe), and management of spare parts from the stock.
- Expleo** (ex-Assystem) Saint Martin du Touch - **Electronic System Technician** **09/2008 – 03/2015**  
Programming, testing, integration, validation, acceptance of boards, enclosures, bays  
Subcontracting to **CNES**: Electronic acceptance of "video chain" type components, metrology on power sources, operational condition, cabling, modification of electronic boards (with SMD), wrapping.  
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## REFERENCES

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Julien Caulier Head of Design Office, Navocap: [julien.caulier@navocap.com](mailto:julien.caulier@navocap.com)

Michel Dupieux, Electronics Engineer, IRAP: [michel.dupieux@irap.omp.eu](mailto:michel.dupieux@irap.omp.eu)

## INTERESTS

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Chess - Reading - Photo - Museum - Cinema

Running - Mountain Biking