



# Kleber Lima da Silva

Embedded Systems Engineer | Hardware and Firmware Developer

## About Me

Hello! I'm Kleber Lima da Silva. I'm passionate about Electronics and Robotics. I have extensive experience in project development (hardware and firmware) of embedded systems with precision electronics, low consumption, and wireless communication.

Age	33
Email	kleber.ufu@gmail.com
Phone	+55 14 99104-0606
City	Marilia, SP, Brazil

## Professional Skills

Schematic Design



PCB Layout



Design for Manufacturing



Bare-Metal and RTOS



Embedded Linux



Microcontrollers



## Tech Stack



## Work Experience

### Embedded Systems Engineer at Freelancer

Oct, 2022 - Present

Development of hardware and firmware for embedded systems with ARM and ESP32 microcontrollers. Main technologies used: automotive LIN and CAN interfaces; Wi-Fi; Bluetooth; low power RF transceiver.

### **Professional Training Instructor – Electronics at SENAI SP**

Feb, 2020 - Oct, 2022

Professional training instructor in electronics (technical design, electricity, building and industrial electrical installations, analog and digital electronic systems, residential and industrial automation, projects).

### **Hardware and Firmware Engineer at SEYS – Sistemas Inteligentes**

Dez, 2017 - June, 2019

Management and development of embedded hardware and firmware projects. Some of the activities: selection of components; PCB schematic and layout development; budgets; DFM (design for manufacturing).

### **Hardware Engineer at Ioton Technology**

Aug, 2015 - Dez, 2017

Co-founder of the Brazilian startup that created the TON development platform, for learning in robotics, IoT (Internet of Things), automation, etc.

### **Scientific Research at LASEC – UFU**

Feb, 2012 - July, 2015

Project 1: Development of hardware for the autonomous control of a quadcopter. Project 2: Development of a hardware and software prototype for home control by gestures using the Myo armband.

## **Education**

### **Bachelor of Electronic/Biomedical Engineering from Universidade Federal de Uberlândia**

2010 - 2015

Voluntary activities: student tutoring (Biostatistics, Analog Electronics I, Electrical Circuits II and Embedded Systems I); Two scientific initiations PIBIC/CNPq; Member of the Laboratory of Automation, Electronic Systems and Control (LASEC) for 3 years; 2015 Maze Escape Challenge Organizer.

### **Biomedical Engineering from Polytech Marseille**

2013 - 2014

Object Oriented Programming; Labview; Neurophysiology; Automatique; Cardiovascular Biomechanics; Medical Radiophysics; Ultrasound Imaging. MRI-Spectrometry; Tomography; Biomedical Instrumentation II; Matlab; Database; Human Machine Interaction. BRAFITEC / CAPES Program Scholarship.

## Electronic Maintenance Technician from SENAI SP

2008 - 2009

1st Place in Electronics - SP Skills 2009; 3rd Place in Industrial Electronics - World Skills Americas 2010.

## Contact

### City

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### Email

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 <https://www.instagram.com/kleberls6>

 <https://github.com/krebyy>

 <http://bit.ly/portfolio-kleber>