Embedded Systems Engineer

31100 Toulouse · 0 à 1 an d'expérience · Réf. 2608041358

Ma recherche

Contrat recherché : Tout contrat
Zone : Occitanie
Mobilité : sur toute la région
Rémunération : A étudier
Secteur : Bâtiment

Formations

2025-12-31 — Bac +5 — USTHB, Algiers
M1 – Embedded Systems Electronics
2025-01-01 — Bac +5 — Université Paul Sabatier (Toulouse III)
M1 – Embedded Systems & Microsystems
2024-12-31 — Bac +3 — Mohamed Boudiaf University, M'sila
Bachelor's Degree – Electronics
2024-09-30 — Alamal Training Institute, Batna
Electronics & Mobile Phone Repair (Training) Component level diagnosis, SMD soldering, IC replacement
2021-07-31 — CFBI, Oran
HSE Training (Health, Safety & Environment) Industrial safety standards, risk management in lab environments

Expériences professionnelles

2026-01-01 - 2026-12-31 — EMC / Signal Integrity Lab – LTSpice
Simulated transmission lines, reflections, crosstalk and shielding strategies; performed frequency domain analysis and experimental validation.
2026-01-01 - 2026-12-31 — P/N Junction Diode Fabrication in Cleanroom
Full clean room process: photolithography, HF etching, Al metallization, I V characterization.
2026-01-01 - 2026-12-31 — EV Charging Station – Embedded C++ System
Designed multi module C++ architecture: card authentication, PWM generator, lock, timer, LED indicators; Implemented inter process communication via POSIX shared memory; Produced full Doxygen documentation.
2026-01-01 - 2026-12-31 — BEE_RUCHE – IoT Smart Beehive Monitor
Integrated and calibrated multiple sensors (SHT31, DHT11, HX711) on STM32L476RG via I2C and 1 Wire; Developed STM32 firmware (HAL) for real time data acquisition; Configured LoRa module via AT commands for wireless data transmission; Designed two board emitter/receiver architecture with custom hex packet decoding; Displayed real time data on RGB LCD.
2025-01-01 - 2026-12-31 — TER Project – DAB Converter
Integrated and calibrated multiple sensors (SHT31, DHT11, HX711) on STM32L476RG via I2C and 1 Wire; Developed STM32 firmware (HAL) for real time data acquisition; Configured LoRa module via AT commands for wireless data transmission; Designed two board emitter/receiver architecture with custom hex packet decoding; Displayed real time data on RGB LCD.

Langues

Arabe (Langue maternelle), Français (Courant), Anglais (Courant)

Atouts

C, C++, Python, STM32, Arduino UNO, CubeIDE, Keil, UART, SPI, I2C, LoRa, LTSpice, Simulink, Multisim, KiCad, ETS5

Loisirs

DIY Electronics, Robotics, AI, Reading

Fiche anonyme — l'identité et les coordonnées du candidat sont communiquées aux recruteurs qui en font la demande sur pmebtp.com.