

75000 Paris
1 à 3 ans d'expérience
Réf : 260914122539

Embedded system engineer

Ma recherche

Je recherche tout type de contrat, sur toute la région Ile de France, dans le Batiment.

Formations

10/2022 : Bac +3 à UMT, Lahore
BS Electrical Engineer

Bac +5 à ESIGELEC, Rouen
MS Embedded Systems

Expériences professionnelles

02/2025 - 01/2026 :

Embedded System Engineer chez Beyond Tech sur Islamabad

Optimized STM32 firmware reducing memory usage by 25 % and improving execution speed by 15 %.

Developed embedded applications in C/C++ and Python for IoT and control systems. Implemented FreeRTOS tasks for sensor acquisition and motor control. Designed and tested 2-layer PCBs, collaborated with hardware team for validation. Developed firmware for the Nordic nRF54L15 using C and Zephyr RTOS. Built, debugged and tested firmware using the Nordic SDK and Zephyr build system.

04/2023 - 07/2023 :

Embedded Intern chez Epteck sur Faisalabad

Developed embedded software modules for real-time IoT data acquisition. Created technical documentation and participated in R&D / component analysis. Performed hardware debugging using oscilloscope, logic analyzer and SWD. Developed ESP32 firmware using ESP-IDF for real-time IoT applications, covering GPIO, UART, I²C and Wi-Fi/BLE.

/ - à ce jour :

Smart Doorbell - Raspberry Pi Zero 2W (Project)

Python + Flask streaming system with camera, cloud logging and motion detection.

/ - à ce jour :

Motor Control Board - STM32F103 (Project)

2-layer PCB with L298N, MPU6050, encoder feedback; implemented PID using C, I²C, PWM.

/ - à ce jour :

Environmental Data Logger - STM32 + E-Paper (Project)

7 " E-paper UI, real-time logging of SCD30 and SPS30 sensors using FreeRTOS.

Langues
