Embedded System Engineer

75000 Paris · 1 à 3 ans d'expérience · Réf. 260914122539

Ma recherche

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

Formations

2022-10-31 — Bac +3 — UMT, Lahore
BS Electrical Engineer
Bac +5 — ESIGELEC, Rouen
MS Embedded Systems

Expériences professionnelles

2025-02-01 - 2026-01-31 — Embedded System Engineer

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.

2023-04-01 - 2023-07-31 — Embedded Intern

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.

Environmental Data Logger – STM32 + E Paper (Project)

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

Motor Control Board – STM32F103 (Project)

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

Smart Doorbell – Raspberry Pi Zero 2W (Project)

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

Langues

Anglais (Courant), Français (Notions)

Atouts

C Programming, Embedded C, C++, Python, Microcontrollers (STM32, ESP32, Nordic nRF54L15), Embedded Linux, FreeRTOS, Zephyr RTOS, FPGA, VHDL, Code Composer Studio, Git, Makefile / CMake, Hardware Debugging (oscilloscope, logic analyser, SWD), Algorithm design, System level problem solving, Hardware software integration, Autonomous vehicle concepts, Problem Solving, Analytical Thinking, Team Collaboration, Communication, Adaptability, Quick Learning, Time Management, Attention to Detail, Self Motivation

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