

# Embedded Software Engineer

92290 Châtenay-Malabry · 1 à 3 ans d'expérience · Réf. 260826135310

## Ma recherche

Contrat recherché : Tout contrat

Zone : Ile de France

Mobilité : sur toute la région

Rémunération : à étudier

Secteur : Batiment

## Formations

12/2025 — Bac +5 — ESIGELEC – École d'Ingénieurs Généralistes

MSc in Automotive Embedded Systems Embedded Systems, Embedded C, CAN & RTOS, Functional Safety (ISO 26262), ADAS, LabVIEW, Project Management.

12/2022 — Bac +5 — MUTHOOT Institute of Technology and Science

B.Tech Electronics & Communication Engineering Microcontrollers, Sensors, VLSI, Analog & Digital Communication, Semiconductors, FPGA & Electronics.

## Expériences professionnelles

04/2025 - 03/2026 — Embedded Software Engineer

Delivered large scale ECU platform migration from Fujitsu MB90F342 to NXP S32 MCU, implemented watchdog and safe state architectures, configured and validated MCAL level peripheral drivers (CAN/J1939, PWM, DIO, GPIO), diagnosed hardware software integration faults, validated diagnostic services (UDS, KWP2000) with Vector CANoe/CANdela, executed HIL validation campaigns, performed ECU flashing and calibration using internal tooling and LabVIEW test benches.

09/2024 - 02/2025 — Embedded S/W Development and Testing Intern

Built Python automation tool for Azure DevOps REST APIs, created language generator for ISOBUS device descriptor, designed and bench validated STM32 based PWM control circuit for tractor PTO valve actuation.

## Langues

English (maternelle), French (courant), Malayalam (maternelle)

## Atouts

C, C++, Embedded C, Python, NXP S32K142/144 (ARM Cortex M4F), STM32 (ARM Cortex M4), Raspberry Pi, MCP2515 CAN, MB90F342, ESP32, Bare metal (ARM Cortex M4F), Real Time Embedded Systems, Embedded Linux, CAN, MISRA C, J1939, UDS (ISO 14229), KWP2000 (ISO 14230), SPI, I2C, UART, CANopen, JTAG/SWD, PicoScope, GDB, Oscilloscope, Vector CANoe/CANdela/CANalyzer, S32DS, STM32CubeIDE, Softune IDE, Keil, MATLAB/Simulink, Git, Azure DevOps, LabVIEW, Keil MDK, V Cycle, HIL Validation, Agile, AUTOSAR Classic MCAL, Peripheral driver configuration, PWM/DIO/GPIO control, MOSFET driver design, Sensor/actuator integration

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