Embedded Software Engineer

37100 Tours · 5 à 10 ans d'expérience · Réf. 2609300922

Ma recherche

Contrat recherché : Tout contrat
Zone : Centre-Val de Loire
Mobilité : sur toute la région
Rémunération : a étudier
Secteur : Batiment

Formations

12/2019 — Bac +5 — ENSIM (Ecole Nationale Supérieure d'Ingénieurs du Mans)
Engineering Degree in Embedded Software
12/2016 — Bac +2 — ESTEM (École Supérieure des Sciences et Techniques de l'Ingénierie et du Management)
Preparatory Classes for Grandes Écoles (MPSI)

Expériences professionnelles

05/2023 - 11/2025 — Embedded Software Engineer
Led validation and testing of door systems (metro, high speed trains, trams) and railway black boxes. Authored comprehensive test plans and designed test benches to ensure full coverage of system and functional requirements. Developed test scenarios using scripting languages for projects based on CAN and Ethernet (CIP/TRDP) communications. Executed test campaigns, performed detailed result analysis, resolved critical anomalies, and generated reports compliant with railway standards. Tools used: Polarion, Wireshark, CANalyzer, LabVIEW.
09/2019 - 09/2022 — Embedded Software Engineer
Developed, tested, and validated drivers (OCTOSPI, FMC, OTFDEC, I3C, RIF) for the STM32Cube package on STM32MP2 platforms. Designed client application examples for a wide range of peripheral drivers (GPIO, I2C, SPI, UART, RCC, RTC, DMA, Ethernet, CAN, TCP/IP…) on STM32MPxx systems. Integrated and supported Azure RTOS (FileX, NetxDuo, GuiX, USBx) on STM32MP2 microprocessors. Created STM32PRGFW UTIL firmware for advanced OTP memory management on STM32MPxx MPUs.
03/2019 - 08/2019 — Embedded Software Engineer (Intern)
Contributed to integration of STM32 MCU boards into Zephyr RTOS and pyOCD flasher. Developed a BLE application under Zephyr OS for communication between the STM32WBRG board and the STM32BLE sensor mobile application.

Langues

Français (maternelle), English (courant)

Atouts

Requirements Management and Traceability (Polarion), Test Software Development, Test Automation, Result Analysis, Test Report Writing, C, C++, Python, Bash, Assembly, Driver Development, Bare Metal Programming, RTOS (Azure RTOS, Zephyr), MCU/MPU (STM32, STM32MP2), System Integration, Wireshark, CANalyzer, LabVIEW, Git, SVN, Android Mobile Development, Java, BLE (Bluetooth Low Energy), Linux, Railway domain knowledge

Loisirs

Inline skating, Mountain biking, Calisthenics, Esports, Video editing, Vibe coding

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