

37100 Tours
5 à 10 ans d'expérience
Réf : 2609300922

Embedded software engineer

Ma recherche

Je recherche tout type de contrat, sur toute la région Centre-Val de Loire, dans le Batiment.

Formations

12/2019 : Bac +5 à ENSIM (Ecole Nationale Supérieure d'Ingénieurs du Mans)
Engineering Degree in Embedded Software

12/2016 : Bac +2 à 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 chez Wabtec Corporation sur Tours

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: Polaron, Wireshark, CANalyzer, LabVIEW.

09/2019 - 09/2022 :

Embedded Software Engineer chez Stmicroelectronics sur Le Mans

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) chez Stmicroelectronics sur Le Mans

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 (Oral : maternelle / Ecrit : expérimenté), English (Oral : courant / Ecrit : intermédiaire)

Centres d'intérêts

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