

# Embedded Software Engineer

Tunis · 1 à 3 ans d'expérience · Réf. 2609121141

## Ma recherche

Contrat recherché : Tout contrat

Zone : Toute la France

Mobilité : sur toute la France

Rémunération : à étudier

Secteur : Bâtiment

## Formations

12/2027 — Bac +5 — Faculty of Sciences of Tunis, University of Tunis El Manar

Engineering Degree in Embedded Electronics and IoT

06/2024 — Bac +2 — Faculty of Sciences of Tunis, University of Tunis El Manar

Integrated Preparatory Cycle – Mathematics, Physics, Computer Science

12/2022 — Bac — Lycée Bardo, Tunis

Technical Baccalaureate

## Expériences professionnelles

07/2026 - 09/2026 — Embedded Software Engineering Intern

Customised an AI agent to automate the generation of STM32 HAL/LL software components, reducing manual driver authoring time by 85%; designed an automated workflow producing STM32 product source files and configurations; automated generation and validation tasks with IAR Embedded Workbench, verifying generated drivers on V8 target boards.

07/2025 - 09/2025 — Embedded Software Engineering Intern

Extended the STM32CubeMX code generator for a security IP, reworking Handlebars templates and JSON configuration files that emit embedded C; improved HAL/LL drivers for the STM32U5 series and validated the resulting firmware on real hardware with IAR Embedded Workbench.

07/2024 - 09/2024 — Embedded Systems Intern

Developed embedded applications in Embedded C on the Quiksilver development board, implementing UART protocol; tested, debugged and validated IoT and embedded features on the platform.

## Langues

English (courant), French (courant), Arabic (maternelle)

## Atouts

C, C++, Embedded C, Python, JavaScript, STM32 (HAL/LL), ESP32 / ESP32 CAM, Texas Instruments MCUs, PIC, Arduino, Raspberry Pi, FreeRTOS, I2C, SPI, UART, CAN, DMA, DCMI, MQTT, Deep Learning, CNNs, Computer Vision, Object Detection, TensorFlow, PyTorch, MediaPipe, NLP, LLMs, RAG, Git, GitHub, Linux, IAR Embedded Workbench, STM32CubeMX, OpenOCD, Docker, Node RED, Blynk, Firebase, InfluxDB, Grafana, REST APIs, WebSockets, HTML/CSS, PHP, SQL

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