

75000 Paris  
3 à 5 ans d'expérience  
Réf : 2608260019

## Embedded firmware engineer

### Ma recherche

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Je recherche tout type de contrat, sur toute la région Ile de France, dans le Batiment.

### Formations

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**12/2022** : Bac +5 à National School of Computer Science (ENSI)  
Computer Science Engineering Degree - Embedded Systems

**12/2019** : à Preparatory Institute for Engineering Studies of Sfax (IPEIS)  
Preparatory Engineering Studies

### Expériences professionnelles

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**04/2025 - à ce jour :**

Embedded Software Engineer chez Protectline sur Paris

Develop embedded firmware and application software in C++, Python and Shell for an IoT alarm gateway and connected keypad, siren and door sensor devices. Developed state machines, low-power behavior, Matter integration (endpoints, clusters, custom attributes), OTA A/B updates, U-Boot adaptation, debugging with GDB and end-to-end testing.

**10/2022 - 04/2025 :**

Embedded Software Engineer chez Accent sur Manouba

Developed C/C++ firmware on ESP32 and STM32 for smart energy monitoring, integrated Modbus driver, Wi-Fi/MQTT telemetry, OTA updates and serial upgrade of STM32 via ESP32. Implemented Edge-AI presence detection using TensorFlow Lite on ESP32, and built connected parcel system with E-Paper, NFC and sensor suite. Designed obstacle-detection system for the blind on Jetson Nano with IMU, camera, and deep-learning model.

**02/2022 - 09/2022 :**

Graduate Engineering Intern - Software Engineer chez Mentor Graphics sur Tunis

Developed C++ features for Multi-FPGA prototyping applications, designed configuration tooling for routing multiplexing, optimized shortest-path routing algorithms and contributed to debugging, performance analysis and automated testing.