Embedded Systems Engineer – Zephyr RTOS

Workplace: 1000, Rabat

What to expect:

As an Embedded Systems Engineer experienced in building microcontroller applications with Zephyr RTOS. You'll develop portable, scalable firmware across multiple MCU architectures while leveraging Zephyr's powerful tooling ecosystem.

Responsibilities:

• Develop application logic using Zephyr APIs and its driver model.

• Configure systems with Kconfig and Device Tree.

• Build and flash firmware using CMake and West.

• Implement hardware abstraction for multi-architecture portability.

• Troubleshoot and optimize RTOS behavior (scheduling, memory, inter-task comms).

What you bring along:

• Practical experience with Zephyr RTOS in MCU environments.

• Strong knowledge of Kconfig, Device Tree, West, CMake.

• Solid RTOS fundamentals and embedded debugging skills.

• Experience with ARM Cortex-M or similar MCUs.

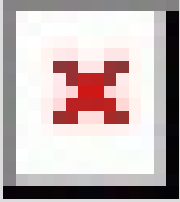• Understanding of embedded protocols and hardware interfaces.

Nice to Have

• Exposure to embedded Linux or Yocto.

• Experience with BSPs, low-level drivers, or CI/CD for firmware.

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