

SPECIALIST SKILL / SYSTEMS, KERNEL & EMBEDDED

Make behavior predictable on the target hardware.

Develop low-level components against real timing, memory and interface constraints. Instrument and validate where the software will run, not only where it is built.

WHAT WE CAN BUILD FOR YOU

Firmware and driver integration

Implement the agreed device components and connect them to the target hardware interfaces.

Value: The product team can isolate integration problems with measured behavior on the device.

Real-time scheduling under load

Instrument timing and resource use, implement the required scheduling behavior and validate target scenarios.

Value: Engineering can assess deadline and memory limits before those limits become field failures.

WHAT THE ENGAGEMENT INCLUDES

- | Firmware and driver work
- | Real-time scheduling
- | Hardware bring-up support
- | Instrumentation

WHAT YOU TAKE AWAY

- | Firmware or kernel components
- | Validation results
- | Integration notes

HOW WE MAKE THE VALUE VISIBLE

Deadline misses / Peak memory / On-target validation coverage

ILLUSTRATIVE APPLICATIONS / SCOPED TO YOUR SYSTEMS

Let's scope the first useful step.

Bring target hardware, interface details and the timing or memory failure the component must avoid.

Talk to BELTO