



FIRMWARE FOUNDRY

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Introducing Firmware Foundry

Firmware Foundry provides firmware engineering support to your business when you need extra help with a project or need a specific expertise.

We work directly with your managers, engineers, physicists, and designers as needed to produce rock solid firmware for your products or equipment. Whether building on bare metal, embedded Linux, or your choice of real-time operating system, we have the experience and creative problem-solving skills to complete the task.

Call us today at **865-730-0377** or email us at **Info@FirmwareFoundry.com** to discuss your firmware needs.

About Us

Firmware Foundry was created by Douglas Ingram, an industry veteran with 25 years experience executing creative firmware engineering projects in the medical, textile, and electro-optical industries. We are passionate about technology as a whole and embedded devices specifically, and we live to build interesting projects of all sizes.

Capabilities

- Embedded C and C++
- Object Oriented Design (OOD)
- Platforms: Bare metal, embedded Linux, OpenRTOS
- μ C's: Atmel AVR/ATmega, Microchip's PIC, ARM Cortex, Silicon Labs C8051 family, ...
- Protocols: I²C/SMB, SPI, 1-wire, RS-232/485 UART, Modbus, CAN, TCP/IP
- Analog-to-Digital (ADC) and Digital-to-Analog (DAC) conversions
- JTAG debugging
- PWM, counter-timers
- Firmware bootloaders
- Embedded web servers
- LED Controllers
- High speed and real-time profiling
- Medical-grade redundancy
- Low power and sleep modes
- Interrupt handlers
- PC applications to interface with embedded firmware
- PC device drivers
- MS Visual Studio, C++/MFC, C#/.NET
- TCP socket programming
- Expert in the use of logic analyzers and oscilloscopes as daily debugging tools.

A Few of Our Clients

- Johnson & Johnson
- Uster Technologies, Inc.
- Calhoun Vision, Inc.
- Digital Light Lab