FITZ-THORS

JOIN OUR TEAM
Position Opening: *Embedded DSP Systems Developer*

Position Description:

Fitz-Thors is looking for an **Embedded DSP Systems Developer** to join our team to develop software, firmware, and hardware designs for client solutions and our family of products.

Key Responsibilities:

- End-to-system firmware development to include power-management, boot loaders, scheduling, RTOS and/or bare-metal implementations
- Develop custom kernel drivers and APIs for peripherals
- Maintains and archives documentation, source code, and other work products
- Works with application testing engineers to identify and resolve issues
- Provides the ongoing support of software through defect isolation and resolution

Desired Qualifications:

- The ideal candidate will understand low-level embedded software development for low-power SoC
- 5+ years of experience in firmware development
- Experience building software for complex embedded systems or custom SoCs
- Experience with embedded software design and programming in C/C++ for development, debugging, testing and performance analysis
- Experience in understanding hardware, clock-level issues, bridges, delays, interrupts, clock gating, polling, analog signals, ADC, Op-Amps, etc.
- Familiarity with state-of-the-art DSP software algorithms and techniques (GPU-based DSP algorithms, machine learning, artificial intelligence, etc.)
- Experience with software configuration management tools/methods (e.g., Azure DevOps, Git, Subversion)
- Proficiency in GNU Octave / MATLAB
- B.S. degree in Computer Science or Electrical Engineering

About Fitz-Thors:

Fitz-Thors supports manufacturers and innovators by providing world-class engineering design, product development, prototyping, production runs, and industrial solutions. We leverage our experience in product development and manufacturing to help our customers innovate or improve production efficiency. Our wide range of in-house services and capabilities allows our team to provide comprehensive, end-to-end solutions for our customers. We are a hands-on team that truly enjoys collaborating and combining our diverse skillsets to solve complex problems.