

Firmware Engineer

Please submit resume to Nesha.Burch@CoachComm.com for consideration.

Position Summary

The Firmware Engineer position will be located in our Auburn, AL corporate office. This candidate will possess strong organizational and problem solving skills and have the ability to write and debug C code in microcontrollers and DSPs. This position will work closely with development team and our Engineering Manager.

Responsibilities

- Onboard with a senior firmware developer
- Develop, test, and debug application layer and driver level DSP and microcontroller firmware
- Attend the daily development stand-up meeting where possible
- Keep organized/detailed list of code tasks
- Report issues timely and concisely to development team and management
- Assess priorities and reallocate daily

Abilities

Required

- Strong organizational, prioritization, and time management skills
- Strong problem solving skills
- Highly teachable and assertive
- Strong embedded C programming using latest development methodologies
- Experience developing code in multi-threaded operating systems or scheduler (SYS/BIOS preferred)
- Background in microcontroller C development
- Scripting language experience (Python preferred)
- Experience in use of repositories (SVN preferred)
- Experience with using DSP and microcontroller emulators via JTAG
- Good documentation and commenting practices of all new code
- Excellent English speaking skills
- Multitask and coordinate with other departments
- Ability to lift 50 lbs.

Highly Desired

- FW experience with SPI, I2C, I2S, parallel host interfaces, flash, SRAM and DDR
- Low level driver code development where firmware meets hardware
- Experience in TCP/IP stacks (LWIP or similar)
- Experience integrating audio centric IP (such as audio encoders and decoders)
- DSP algorithm experience with audio
- C++ or C# experience
- RTOS experience
- Experience with JIRA
- Experience in Agile Development methodologies
- Setup, run and take measurements using spectrum/logic analyzers and oscilloscopes

Educational Requirements and Experience:

- BSEE, BSCE minimum. MSEE, MSCE preferred.
- 5+ years industry experience as embedded C firmware developer

Job Type:

- Full-time

Required work authorization:

- United States work authorization. H1 Visa considered.