



Embedded Systems Software Engineer

N2 Imaging Systems is an industry leader in the design and manufacture of compact, low power advanced infrared and visible imaging components and systems. We have a long history of product delivery for use by the soldier for vision enhancement, surveillance, detection and targeting during day, night and low visibility conditions.

Job description:

We have an immediate position for an experienced Embedded Software Engineer to design and implement advanced embedded software systems. Image/signal processing is prevalent in these designs. The candidate is expected to produce software given a functional description and inputs from other design staff members. As part of the design staff, the candidate will also have input on system level design. Besides initial design, duties will include integration and testing of software and systems, as well as manufacturing support of the N2 product line.

Required skills:

- C programming for embedded DSP, embedded FPGA Processing Cores, and/or microcontroller designs.
- Strong system integration and troubleshooting skills.
- Experience with complex system architectures.
- Experienced in software design and implementation for custom digital hardware/firmware platforms.
- Experience with signal processing and image processing algorithms.
- Experience with real-time systems.
- Experience designing/implementing and utilizing an RTOS.
- Experience with software version control systems such as SVN and GIT.
- The ability to read schematics and datasheets.
- Experience with software design and development for multi-processor and System on a Chip (SoC) architectures/environments.
- Good interpersonal and communication skills.
- The ability to work well in a fast-paced team environment.

Desired skills:

- Familiarity with Analog Devices DSP's, Texas Instruments and/or Atmel microcontrollers, embedded ARM processors.
- Familiarity with assembly language.
- RTOS: uC/OS, Visual DSP++, FreeRTOS or any other embedded RTOS.
- Digital hardware troubleshooting - use of oscilloscopes and logic analyzers.
- Object oriented experience.
- Embedded Linux development.
- Familiarity with FPGA design.

Experience and Education:

- B.S. Computer Science or Electrical Engineering.
- M.S. desired.
- 15+ years of experience in embedded software design.

Citizenship requirements:

Applicants must be a U.S. Citizen or Permanent Resident.

N2 Imaging Systems offers a competitive salary and comprehensive benefits package (medical, dental, vision, 401k, PTO, etc.). N2 Imaging Systems is an equal opportunity employer committed to a diverse workforce.

Contact information:

Qualified applicants may forward a detailed resume with complete experience history to:

Email: jobs@n2imaging.com

FAX: 714-573-8815