Embedded Software Design Engineer (Job Number: 1401420)

Internal Relocation: Yes, Domestic Relocation
Internal candidates currently under consideration: No

Description

Itron, Inc. currently has a job opening for an Embedded Software Design Engineer. The candidate will work in the R&D department working on the development of both new & current production designs of Advanced Metering utility products.

Working as part of a specialized development team will be involved with:

• Development of embedded metrology systems for next generation of metering products
• Participate in the design / selection of suitable HW building blocks across product platforms
• Develop test code to verify HW design & Product level functionality
• Participate and direct the testing & certification of products to applicable standards

Job Responsibilities:

• Be responsible for the design, documentation, testing, troubleshooting, of electronic products.
• Lead and contribute to code validation and debug in real-world application
• Have solid skills developing in C and assembly language applications
• Have experience developing and debugging real time embedded systems
• Have experience in embedded system architecture; software and hardware
• Strong knowledge of concepts and algorithms with and without real time operating system
• Assist Manufacturing in troubleshooting manufacturing related problems.

Qualifications

Requirements for the Position:

• Bachelors or Master’s Degree in Computer Engineering, Computer Science or Electrical Engineering
• At least 2 years of DSP and/or embedded system development
• At least 2 years of experience developing products for high volume production
• Experience writing assembly language AND C code for micro-controllers in resource limited applications
• Experience with sampling/signaling processing techniques using Sigma Delta A/D convertors
• Proficient in the design of FIR, IIR filters and FFT Analysis
• Ability to write clear and professional documentation of work
• Must have proven oral and written communication skills

Physical Demands: This is a typical office job, with no special physical requirements or unusual work environment.

Primary Location USA-SC-West Union

Itron is an Equal Opportunity, Affirmative Action Employer. Qualified applicants are considered without regard to race, color, religion, sex, age, national origin, citizenship, sexual orientation, marital status, pregnancy, medical condition, veteran status, disability, genetic information or other characteristics protected by law. If you require an accommodation in order to apply to this position, please contact your local recruiting representative at 1-800-635-5461 or email Accessibility@itron.com.