IntervalZero

Engineering Position
Principal Software Engineer

Location: Waltham, Massachusetts

Company:

Uniquely, IntervalZero's market-leading RTX real-time software transforms Windows into a real-time operating system, enabling economic and performance breakthroughs for systems builders in the global Industrial Automation, Digital Audio/Video, Medical and Mil-Aero markets.

Headquartered along the Boston technology corridor, IntervalZero is relentlessly focused on its customers and we share their pursuit of excellence. The company believes that continuous investment in both our real-time software technology and in strengthening customer relationships is essential for long-term success. That same level of investment and commitment extends to the IntervalZero Team, the company's most important asset.

IntervalZero's RTX RTOS Platform streamlines and simplifies the development of complex systems by leveraging x86 multicore multiprocessing and symmetric multiprocessing (SMP) functionality, and by extending Windows' capabilities with RTX. The platform reduces costs, boosts quality and performance, and significantly reduces reliance on proprietary hardware such DSPs and FPGAs. IntervalZero's philosophy, combined with more than three decades of embedded software innovation, and the proven value of RTX have enabled the company to build a customer base of market-leading OEMs and end users in its target markets.

Position:

As IntervalZero expands into new markets, we are looking for strong technical developers to lead the charge. As such, the successful candidate for this position needs to be innovative and self-motivated when given mission critical challenges. They will be responsible for designing, developing, maintaining, and enhancing C/C++ code for our Real-time extension for Windows (RTX).

General:

- Experience taking a project from concept to completion; including design, prototyping, testing and troubleshooting.
- Ability to develop low-level software requirements from high-level system requirements.
- Strong inter-personal and communications skills.
- Ability to work in a small team environment or independently.

- Ability to mentor junior software engineers.

Requirements:
- Extensive experience developing windows drivers.
- Extensive experience with kernel-level debugging including detailed understanding of WinDbg.
- Working knowledge of x86/x64 architecture and Windows kernel.
- SMP architecture and development experience.
- Experience working on embedded RTOS
- Strong knowledge of C/C++.
- Strong skills in measuring, analyzing, and optimizing for scalability and performance.
- Experience developing and debugging multi-process / multi-threaded software.

Pluses:
- Experience writing or modifying NIC drivers.
- Parallel programming experience.

Qualifications and Educational Requirements:
- BS Computer Science or Electrical Engineering; MS preferred.
- Minimum 10 years in software or firmware development in Microsoft environment.

Please send resumes and inquiries to: **careers@intervalzero.com**