Embedded Hardware Engineer

Position Type: Full-Time
Location: Ottawa

We are looking for experienced real-time, embedded hardware developers to create our next generation of rugged Mil/Aero Compute and Graphics hardware to complement our world-renowned safety critical software drivers. Using the very latest computing technology and designing it to work in the rugged, extreme environments that our customers need it to, is what we specialize in. If that isn't enough, the hardware must be designed to meet the stringent safety critical standards required for civil and now military aviation applications. At CoreAVI, we are leading the market in the supply of innovative safety critical solutions to avionics and other safety critical applications. We have a small, highly motivated and dedicated team of Engineers that lead Industry standard initiatives and drive new technical directions to ensure that we always offer technology and solutions that are ahead of the needs of our customers. We pride ourselves on our reputation for having highly satisfied customers who are always impressed with our products and support, because it's that reputation that makes us the leader in our market. We are highly dependable, and our products always meet our customer expectations. If you share these values and want to work on leading edge technology in a small, dynamic and innovative environment, we could be the job for you.

To learn more about CoreAVI or the aircraft our solutions fly in please visit www.coreavi.com

Why work for CoreAVI?

CoreAVI is a company which fosters a cohesive work environment, encouraging teamwork and sharing organizational successes. If you are looking to join an organization which offers flexible hours, a talented and supportive team, an autonomous work environment, and niche software products relied upon worldwide, CoreAVI is the organization for you.

Some of the reasons our team enjoys working at CoreAVI are:

> • **Technically challenging and rewarding work**. Working on the leading edge of new CPU and GPU technology, our team is always doing something new and innovative. The reward of seeing the work you contributed to driving the displays of the aircraft you are flying on is something you will never forget!

> • **Teamwork**. Everyone says it, but we really have it. Our team will not watch one-person struggle with an issue, they really do support them. Everyone is here to help because we know that meeting customer needs is critical to our success and working together is the only way to get there.

> • **Small Company Culture**. As we have grown from a small company to the medium one that we are today, we have maintained the values we have always had. We have a great sense of camaraderie and a 'get it done' attitude which is not hindered by layers of company bureaucracy.

• **A company that is growing**. We know that when a company sticks to what they have always done, not only will they not grow, they'll fall backwards. That's why we're not frightened to lead our industry with innovative new products that customers need now and we react quickly to do it. To keep up with that growing demand, we are growing fast and we need more talent to help us.

As CoreAVI continues to grow and expand into new markets, we need creative, self-driven individuals to join our team and share in the success, but more importantly, enjoy the journey there. So, if you like the sound of what our team enjoys today, and you want to be part of our tomorrow, here's what we are looking for.

Main Responsibilities:

- Developing rugged, embedded hardware solutions to Safety Critical standards
- Working collaboratively with PCB, mechanical and thermal disciplines
- Working to, and continuously improving, the hardware development processes
- Supporting Sales on customer visits in support of new business opportunities
- Working with the Product Manager to define next generation products
- Selecting and managing hardware development tools (CAD etc)
- Selection and management of Contract Manufacturers to build hardware prototypes
- Creating schematics
- Selection, approval and lifecycle management of components
- Bringing up new hardware, working closely with Software Engineering
- Hardware debugging
- Creating hardware user manuals for your designs
- Writing and reviewing technical specifications

Required Skills:

- Bachelor's degree in Electrical/Electronic Engineering or related field
- 3+ years of experience in embedded hardware development
- Experience designing hardware for rugged Mil/Aero applications
- Outstanding verbal and written communication is crucial
- Strong organization and technical skills
- Excellent analytical / problem solving skills
- Ingrained sense of accountability and ownership
- Continuous drive for learning, pushing technical limits, and finding new solutions
- A positive, collaborative attitude and willingness to go above and beyond

Asset Skills:

- 3+ years of experience designing with VME, VPX, XMC and similar form factors
- Experience designing with FPGAs and CPLDs
- Experience designing with NXP, Intel, AMD, ARM, nVidia and similar CPUs and GPUs
- Experienced designing to a DO-254 or ISO26262 development process

If you are interested in working for CoreAVI, please send your resume and some information about yourself to resumes@coreavi.com