archronix
engineering design

Job Title:	Electronics Design Engineer		
Location:	Markham, ON (Warden & Denison)	Travel Required:	5%
Date posted:	October, 2011	Position Type:	Full time
External posting URL:	http://www.arcx.com/jobs		

Applications Accepted By:	
E-MAIL: JOBS@ARCX.COM **Subject Line:** Electronics HW Engineer	**MAIL:** Attention: Careers Archronix Corp. 151 Amber Street, Unit 1, Markham ON, L3R 3B3

Job Description

ROLE AND RESPONSIBILITIES

Archronix is a software / hardware engineering development firm that offers a wide range of industrial and commercial solutions and services to our tier-one customers, including: Tyco, Toyota, Harris, Honeywell, and AMD, amongst others. Due to rapid growth we are increasing our development team, and have an immediate opening for a highly skilled and motivated **Electronics Design Engineer**.

This role will comprise high level microprocessor and programmable logic design with an emphasis on high-speed circuits 233MHz and up. The successful candidate will have a general understanding of software development to assist the linux-based software team in developing board support packages. An understanding of ARM and Coldfire processors is a requirement. VHDL experience is an additional requirement.

As a senior member of the design team reporting to the Chief Hardware Architect you have outstanding analytical and problem-solving skills, gain satisfaction in solving the challenging designs, and have an ability to translate broad customer requirements into clear, concise specifications, and then create robust, manufacturable, electronic hardware designs. Highly organized, you are able to estimate a project's effort and duration, self-manage through the project life cycle, and take the lead in working with fellow design-team members, suppliers, and contract manufacturers.

You enjoy working with end customers, you thrive in a fast-paced, high-tech, entrepreneurial environment, and enjoy seeing your work quickly transform from concept into market-leading products.

SKILLS

- Five years in-depth, hands-on experience in high-speed digital design and FPGAs (VHDL) of commercial products.
- Experience taking multiple designs from concept to manufacture, including: schematic design, guiding layout, DFM, prototype, debug, validation, documentation.

- Excellent verbal and written communication skills, with the ability to exchange ideas clearly and effectively.
- A customer-centric, can-do attitude.

REQUIRED

- Experience with Freescale CPU's, particularly i.MX, Coldfire and HCS08.
- FPGA and/or CPLD design experience in VHDL for two or more families.
- Experience with high speed memory interfaces and CPU architectures.
- Design for Manufacture experience.

ASSETS

- Orcad Schematic capture (PCB layout optional)
- Familiarity with PLC's and Industrial Field buses. Knowledgeable in industrial automation and control.
- Platform familiarity in Linux and Android
- Project management.

QUALIFICATIONS AND EDUCATION REQUIREMENTS

Electronics Engineering Degree or equivalent in-depth industry experience.

ADDITIONAL NOTES

The successful candidate will have ideally worked in a fast paced entrepreneurial engineering setting in the past. They enjoy challenging engineering puzzles and take pride in developing robust sustainable solutions. The candidate will be comfortable working with clients.