archronix
engineering design

Job Title:	Embedded Software Developer	Job Category:	Software Development / Hardware Integration
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:** Embedded Developer	**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 Embedded Systems Developer.

Embedded software development work will range from Linux Driver and Application development to Qt/Embedded, and run the full gamut of SDLC. An understanding of ARM and Coldfire processors would be a real asset.

As a senior member of the team reporting to the Chief Software Architect the candidate should have outstanding analytical and problem-solving skills, with an ability to translate broad client requirements into clear software specifications and concise well-written, supportable code.

SKILLS

- The candidate must have at least five years of embedded-software development experience, with hands-on hardware experience.
- Excellent verbal and written communication skills, with the ability to exchange ideas clearly and effectively.
- A customer-centric, can-do attitude.

REQUIRED

- Experience with embedded CPU's, including configuring and using integrated peripherals.
- Embedded systems programming using C/C++ for bare metal boards and boards with an OS.
- Familiarity with networking: TCP/IP, UDP/IP, telnet, etc; especially on embedded systems.
- Familiarity with Perl and/or Ruby (or similar) for scripting.
- Embedded UI programming (GUI preferred).

- Developing software in a group using source control.

ADDITIONAL ASSETS

- Experience with Freescale CPU's, particularly i.MX, Coldfire and HCS08.
- Experience using the GNU tools for embedded programming.
- Experience using CodeWarrior for C/C++ programming of bare-metal boards.
- Experience with MQX.
- Experience with Qt, particularly Qt/Embedded.
- Familiarity with PLC's and Industrial Field buses. Knowledgeable in industrial automation and control.
- Desktop Application programming in C/C++/C#
- Experience with Web services, SOAP, WCF, OO and service oriented design
- Programming in HTML 5, JavaScript, ASP.NET, JQuery, Java Servlets, JSP
- AJAX (DHTML, JavaScript, XML/XSL)
- Familiarity with Eclipse.
- Familiarity with Visual Studio.
- Familiarity with Linux (particularly Ubuntu) for development.
- Familiarity with Android.
- Familiarity with svn and/or git.
- Familiarity with cross compiling open source projects.

EDUCATION REQUIREMENTS

University degree in Engineering or Computer Science.

ADDITIONAL NOTES

The successful candidate will have ideally worked in a fast paced entrepreneurial environment. They enjoy challenging engineering puzzles and take pride in developing robust sustainable solutions. The candidate will be comfortable working directly with end-customers.