

The Weather Network is Looking for You... Now Hiring People with a Sunny Outlook

Benefits of working for Pelmorex / The Weather Network:

- Named one of Canada's 50 Best Managed Companies for the 5th consecutive year
- Recognized as one of Greater Toronto's Top Employers for 2010 and 2011
- Keeping pace with the growth of technology, we offer unique integration of creativity, science and technology
- Leader in employment equity and diversity
- Dynamic, fast-paced environment, open-door philosophy
- State of the art facilities

Senior R&D Developer

*Reports to: Director, Technology Architecture and R&D
Oakville, ON*

Pelmorex / The Weather Network is a highly sophisticated organization using advanced technology to power consumer and commercial services across in increasingly diverse array of mediums: TV/iTV, Web, Mobile/Tablet, PC/Desktop-based platforms, plus the complex supporting technical infrastructure of servers and network to make it all work together.

The candidate will be a member of the new Technology Architecture and R&D team within the Technology Development department and will lead the architecture and technical design in key software initiatives for consumers and commercial users. The candidate will also research and assist with the introduction of new technologies to Pelmorex. In this central role, the R&D Developer will work extensively with developers, product managers, subject matter experts, internal users, business leads and their staff, IT as well as external providers of technology and other third party partners.

Responsibilities:

- Design backend systems for scale/reliability/performance and usability/maintainability
- Develop R&D prototypes to assess and demonstrate new concepts
- Research into key Meteorological data processing Architecture/Improvements
- Stay at the forefront of new backend spatial and high performance data processing & messaging technology/ open source frameworks
- Conduct focused research into new development methodologies and techniques, programming languages, databases, libraries and frameworks, etc.
- Keep tabs on competitors' product features and study the technologies that power them
- Help to define application development technology stacks and standards
- Make recommendations for new technology and tools at Pelmorex
- Assist with planning and maintaining our technology application and infrastructure roadmap
- Assess and suggest optimizations and improvements to existing applications and systems
- Help with planning the technology to support the longer-range application product roadmaps
- Act as technical lead on application development projects as required
- Provide technology mentoring to application developers

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- Consult with QA on the automation testing and verification of application functionality
- Work with external third party technology providers and outsourcing partners as required
- Network within the application development community
- Conduct technical presentations and demonstrations as required
- Assist in interviewing and assessing new application developers as required
- Receive mentoring by the Director, Technology Architecture and R&D

Roles, responsibilities and duties may evolve and change over time.

Qualifications:

- University or college degree in Computer Science, Engineering or related discipline
- 5+ years of experience in design/architecture across a range of technologies
- Proficient in C/C++ particularly in high performance computing domain
- Strong experience working with a Software Development Life Cycle (including requirements gathering, planning/estimation, design, development, testing)
- Strong interest in scientific algorithms (e.g., weather models) and implementation
- Proficient in developing high Performance computing solutions such as Cloud/ NVIDIA computing/Scientific computing that scale efficiently
- Strong database skills working with both commercial and open-source databases including MySQL and Microsoft SQL Server
- Strong experience working within a mixed Unix C/C++ (HP, QNX, Linux) and Win32 development C# environment
- Good understanding of Web technologies, programming languages and standards such as JavaScript/JSON, PHP, (X)HTML/CSS, DOM, LAMP stack and related tools and technologies, Web Services including SOAP / REST integration and SOAs, XML
- Experience working with and directing/managing external partners to meet our needs
- Strong written, verbal and presentation communication skills

Areas of Specialization:

In addition to the qualifications listed above, a person in this position shall have knowledge in many/most of the following areas:

- Basic mobile application and web development
- Database design and development (e.g. SQL, ODBC, ADO)
- Distributed processing and automation
- Image processing development
- Experience in Meteorology would be considered an asset

Competencies:

- Ability to independently establish priorities, to multi-task, and to still meet tight deadlines
- Strong creative problem-solving ability and ability to resolve very hard, technical problems
- Highly skilled at reconciling diverse requirements and devising long-lived architectural solutions
- Strong sense of accountability and personal responsibility to meet commitments
- Powerful ability to discern what's important and what's not and see through the fog of hype
- Highly curious and inquisitive about everything technical and yet able to maintain focus

Qualified applicants should submit their resume to: *Human Resources*, Fax: 905-829-1332 or email: hr@pelmorex.com. Please quote: “**Senior R&D Developer**”. Pelmorex is committed to equity in the workplace. We thank all applicants for their interest, but only those selected for an interview will be contacted.