



McConnell Brain Imaging Centre  
Montreal Neurological Institute  
McGill University  
3801 University St.  
Montreal QC, Canada H3A 2B4



**Job Title:**

Software Developer: Platform Interoperability

**Job Code:**

MSD20160803

**Application Deadline:**

Open

**Location:**

McGill University - Montreal Neurological Institute  
McGill Centre for Integrative Neuroscience (MCIN), Montréal, Québec, Canada.

**Organization:**

The McGill Centre for Integrative Neuroscience (MCIN) is a multidisciplinary research group which leads numerous scientific collaborations and provides software infrastructure, tools and services to a broad, international neuroscientific community. The CBRAIN neuroimaging platform and the LORIS multi-centre data management system, both developed and supported in-house, allow a community of hundreds of scientists around the world to organize and analyze data through online collaborative tools and resources. For more information please visit: <http://mcin.ca>. Our Open-Source projects can be consulted at <https://github.com/aces>.

**Job Description:**

The MCIN is seeking a competent, team-oriented software developer to implement interoperability between our study management system (LORIS) and our distributed computing platform (CBRAIN). This candidate will work in collaboration with both development teams to ensure a good coordination between the functional interoperability requirements and the RESTful APIs provided by the platforms. Reporting to the managers of software and technology development, the work consists in designing, coding, testing and maintaining new and existing features for our software ecosystem. We encourage candidates with strong programming skills to apply.

**Main responsibilities include** (but are not limited to):

- Plan, code, test, debug and support software for neuroinformatics research platforms (LORIS & CBRAIN).
- Implement new features according to functional specifications and requirements.
- Participate in the establishment and implementation of information flow, data handling, database storage and data processing.
- Develop and maintain test suites.
- Follow established best practices and work closely with the various development teams.
- Ensure that development documentation is up to date.
- Participate in high-level platform design discussions.
- Report regularly on activities.
- Provide advice and training to junior team members.



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**Requirements:**

- University degree and related work experience in computer science or related field.
- Minimum 3 years of related research or industry experience.
- Expertise in web development, especially in PHP, Ruby on Rails, RESTful APIs, JavaScript.
- Strong programming skills and understanding of modern languages.
- Experience with relational and non-relational database systems (MySQL, NoSQL).
- Experience with version control systems and team-based development methodologies.
- Experience with Unix/Linux operating systems.
- Excellent communication skills and team oriented attitude.
- Good documentation practices.
- Good organizational skills and ability to learn quickly.
- Familiarity with academic research environments is an asset.
- Fluency in French and English is an asset.

**Starting hourly rate:** \$25 to \$30.

**How to apply:**

Please send your cover letter and CV to ([careers@mcin.ca](mailto:careers@mcin.ca)). Please specify the job title and code in your email subject line. Must be eligible to work in Canada. Direct hire only. Please, no agencies, no phone, no fax and no other inquiries. McGill University is an equal opportunity employer. These are temporary positions with the possibility of full-time/full-benefits employment, due to start as soon as the qualified candidate is selected. The full-time/full-benefits positions include all the standard benefits that the university offers to the M-term employees. We thank all applicants for their interest and wish to advise that only those selected for an interview will be acknowledged.