

# JULIEN LAMARCHE

## Software Developer/Project Coordinator

### Email

[julien.lamarche@gmail.com](mailto:julien.lamarche@gmail.com)

### LinkedIn

[LinkedIn](#)

### PROFESSIONAL SUMMARY

Bilingual Software Development Engineer/Project Coordinator recognized for delivering projects that are efficient, improve processes and workflow and provide real-world positive impact. Government of Canada Security Clearance (2012/01/25).

### CORE COMPETENCIES

- ✓ Software Development
- ✓ Project Management
- ✓ Quality Assurance
- ✓ Documentation
- ✓ Communication
- ✓ Requirements Analysis
- ✓ Database Management
- ✓ Web Development
- ✓ Cross-Functional Engagement

### TECHNICAL COMPETENCIES

Languages	Ruby, Python, PHP, SQL, Perl, Bash, XML, Json, Xpath, Twig, HTML 5, SOAP, Java
Database	PostgreSQL, MySQL, Oracle, MS Access
Operating Systems	Linux, Windows, Mac OSX
Software	Rails, Broadworks, Symfony, Doctrine, Pentaho, PhpUnit, Zend Framework, Git, Apache, Eclipse, Drupal (6 & 7), ProjectLibre, Ant, WordPress, Django, Redmine, prosody (XMPP), Power Shell

*Julien has a very strong database skillset that is invaluable to any organization that is serious about maintaining their data.*

**Craig Cantin**

Director of Development, Green Party of Canada

### EDUCATION/PROFESSIONAL DEVELOPMENT

Ba. Sc Software Engineering (magna cum laude) University of Ottawa	2004
Project Management Cité Collégiale	2012
Certified Associate in Project Management Project Management Institute	2013
Agile Software Development Cycle Web Financial Solutions	2013
Competent Communicator/Leader Toastmasters International	2014

# JULIEN LAMARCHE

**CREDIL**, Ottawa, ON

Dec. 2011 - Present

*CREDIL operates as a clearinghouse for organizations in search of solutions and software developers who use, modify and integrate free/libre software for agile deployment into streamlined and customized solutions.*

## Software Developer

CREDIL/IP4B (Gatineau, QC)	
<b>Challenge</b>	Complex call routing configuration had to be generated from 237K lines for 3 different carriers. List of NPX XXX for the entirety of North America was 1230K lines.
<b>Solution</b>	Reused a generic CSV importer I had created, implemented code to parse files with minimal human intervention.
<b>Result</b>	Configuration files can now be generated with a few commands, including a reusable process to minimize generation time.

<b>Challenge</b>	Each new customer required import of 20+ .csv files and the creation of a custom importer for each customer.
<b>Solution</b>	Created a generic importer using Ruby CSV parser and ActiveSupport.
<b>Result</b>	Code to import data objects was reduced to a hash, accelerating implementation of the import process and standardizing user feedback and error handling.

<b>Challenge</b>	The client was paying \$80,000/year for an invoicing system.
<b>Solution</b>	Built an internal invoicing system in Rails.
<b>Result</b>	Saved \$60,000/yearly, business rules could be implemented significantly faster and calls missed by the 3 <sup>rd</sup> party filtering could be included in the invoicing process. Invoicing system generates 340000 \$/month of accounts receivable for 1400 clients.

<b>Challenge</b>	The invoicing process could be improved if it can import data from the Broadworks Switch, which had poor documentation
<b>Solution</b>	Studied existing PHP on GitHub to understand the OCI-P interface.
<b>Result</b>	Successfully interfaced with the Broadworks Switch allowing for updates to phone inventory and invoicing data.

CREDIL	
<b>Challenge</b>	Developers were not logging their time causing confusion for payroll tax filling.
<b>Solution</b>	Created a chat bot using Python that reminded workers in the chat room to log time.
<b>Result</b>	Ensured accurate recording of time on projects and true labour/development costs.

# JULIEN LAMARCHE

## PROFESSIONAL EXPERIENCE (continued)

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**CREDIL**, Ottawa, ON

Dec. 2011 - Present

CREDIL	
<b>Challenge</b>	Our Client was unaware of project direction and how project priorities were affected by other timelines in their portfolio and agenda.
<b>Solution</b>	Built a script to generate a visual Gregorian calendar month to highlight how and where project timelines were interrupted.
<b>Result</b>	Ongoing project - Part of this code is a Ruby Gem for easy integration into Redmine, a Ruby on Rails time tracker and ticketing system.

**CITY OF OTTAWA**

July 2013 - April 2015

*The City of Ottawa provides the majority of programs and services that over 800,000 residents rely on every day.*

### Web Specialist (Consultant)

#### For the Re-engineering Spotlight event calendaring software project.

- Built REST API for public event calendar.
- Built unit test to check if JSON and XML response conformed to API documentation. Migrated Oracle to MySQL database using Apache Ant, Torque, Pentaho. Established long term schedule for the project.
- Facilitated communication between anglophone manager and francophone client.
- Assisted in requirements gathering of francophone client
- Document on stack overflow how to configure project so LOAD\_FILE MySQL function worked.
- Studied and documented implementation of recurring events in legacy software using database techniques.
- Researched recurring events implementations.

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## PROFESSIONAL EXPERIENCE (continued)

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### MEDIAMISER (now AgilityPR)

June 2010 – June 2011

*Media database, monitoring and analytics solutions for PR professionals.*

#### Project Coordinator

MediaMiser and CREDIL (Ottawa and Gatineau)	
<b>Challenge</b>	Onboarding of new employees was slow and cumbersome.
<b>Solution</b>	Documented the process in the form of questions and answers for each job.
<b>Result</b>	Standardized and quicker onboarding process for new employees, saved significant time and made new employees productive sooner.

#### Mozenda site scrapping project

- Built Mozenda agents to scrape news sites. Built and documented PHP code and phpunit tests to interface with Mozenda.com API. Used REST to send commands to agents and monitor quality of data.
- Used Zend Framework and REST to pull data into database. Coordinated human resource to build additional Mozenda agents. Reviewed prioritization of news site with the staff. Used arrays to codify transition of XML tags.

### GREEN PARTY OF CANADA THE PYTHIAN GROUP

October 2008  
2006 – 2010

#### Database Administration Projects

Fair Vote Canada (Personal Project)	
<b>Challenge</b>	Retrieve data on wasted votes on election night versus 2 day wait.
<b>Solution</b>	Created a site to scrape live election results, compile information in a standard data structure to allow reuse of code and structure in future elections.
<b>Result</b>	Wasted election votes results available on the same evening in standard format versus waiting for up to 2 days for data in tabular format.

## COMMUNITY ENGAGEMENT

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Fair Vote Canada – President

2009 – Present

Otesha Project Quebec Coordinator  
Cycled across Canada

Dec. 2004 – Oct. 2005