

# Mathieu Dumoulin

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## Who am i

I'm a serious, ingenious, dedicated developer with very good analytical skills coupled to an excellent analyst skill set. I've worked on many large scale projects in my life in various domains such as e-commerce, sports, medicine, education and general IT.

I touched many different aspects of web development and am versed in all aspects of the development process should it be for: Analysis, Infrastructure, Architecture, Development (Both front-end and back-end), Testing and DevOps.

**I am an expert of the development process from beginning to end**

## Professional experience

### **Development Process Expert, Consultant (Feb 2019 - Today)**

- Offering consulting services around different aspects of the development process: Analysis, Infrastructure, Architecture, Software development (back-end and front-end), Testing and DevOps
- Coaching and mentoring teams
- Requirements analysis
- Technological research

### **Senior Software Engineer, Openbet / SG Digital inc (Oct 2018 - March 2019)**

- Software development at many different levels (Infrastructure, Back-end, Front-end, Testing)
- Docker stack for developers
- Coaching and mentoring team members
- Team lead support

## **Senior developer - Learning Bird (Sept 2015 - Aug 2018)**

- Back-end and front-end application development using technologies like:
  - PHP 7 and the Laravel Illuminate components integrated into a custom in house framework
  - MySQL and Solr for database and data indexing
  - VueJS / webpack, CSS3, HTML5 and good old native javascript
- Infrastructure development using technologies like:
  - Apache, Nginx for web serving
  - Docker, puppet, vagrant and AWS for infrastructure
    - AWS services used: EC2, S3, CodeDeploy, CloudFront, SNS, Lambda and many more
- DevOps activities using technologies like:
  - Jenkins, Bash and CodeDeploy for building and deployment projects automatically
  - PHPUnit and Behat for end to end and unit testing
- Project management activities using technologies like:
  - JIRA for issue tracking, grooming, spiking, sprint planning, etc
- Roles: General project architect, Data architect, Testing system architect, Test development, Front end framework architect and developer, ReST API architect and developer, Appliance maintenance, assembly and support

## **Senior developer - Portable North Pole (April 2015 - Aug 2015)**

- Back-end and front-end application development using technologies like:
  - PHP 7 and the Symfony 2 framework
  - MySQL (Percona flavor) for database
- Supported front-end and mobile developers

## **Senior application developer - Bell Canada (August 2013 - Avril 2015)**

- Application development under PHP/MySQL/Oracle dedicated to workload management and order management. (Over 1000 concurrent users)
- Integration of best practices through use of the SOLID practices, usage of source control, issue tracking with JIRA, continuous integration and continuous testing using JIRA, Bamboo and PHPUnit and much more.

## **Lead developer - Activis Technologies (July 2011 - August 2013)**

- In charge of all the technical aspect of development as well as project management and evaluation of features and contracts.
- Installed and created from scratch a complete multi-step development environment (Dev, Stage, Prod) using Ubuntu servers, MySQL, PHP, SVN on a VMWare i3
- Programmer of many small to large web applications on standalone projects or integrated into WordPress.
- Managed along with the technical director the renewal of business equipment such as servers, workstations, etc
- Created an enterprise grade MVC framework with ORM features for Wordpress

## **Developer - K3 Média (March 2011 - July 2011)**

- Developer on many web projects using PHP 5+
- Acquired my Zend PHP engineer certificate

## **Developer - Consultant (January 2010 - March 2011)**

- Private consultant for different clients wanting web applications, mostly in PHP
- Private consultant for a C++/QT4 sound synchronisation software
- Many web sites produced using Joomla 1.5
- Many web sites produced as a standalone PHP application
- Created a web based team and league management system in PHP

## **Lead developer - Groupe CDGI (October 2005 - January 2010)**

- Web developer mostly aimed at PHP5 applications but also at ASP classic and ASP.net applications
- Programmer analyst for a ticket tracking solution with about 30 clients and 250 licences around the world programmed in VB6 coupled with a few .NET libraries in C# and VB.NET.
- On site (By plane or car) or long distance support

## **Lead developer - Groupimage Communications (May 2000 - October 2005)**

- Lead developer on many large scale projects
  - Complete league management system for the [www.lhjm.qc.ca](http://www.lhjm.qc.ca) (Includes: Player management, team management, exchanges, game stats, season stats, etc)
  - E-commerce system for La Cordée
  - Many other projects

## Diplomas and training

- Currently working on acquiring an AWS Cloud architect certification
- Zend certified engineer 5 (May 2011)
- AEC for Internet solutions specialist (August 1999)

## Knowledges worth sharing

- A lot of different programming language mostly oriented around the Linux world, main experience is on PHP
- Many databases but mostly focused on MySQL
- Infrastructure: AWS, Linux Ubuntu, Docker
- Best practices and development stacks: Agile/Scrum, Continuous integration, JIRA, Travis, Jenkins and more

## Extra-curricular activities

- I give conferences from time to time, gave one at Confoo 2012, give a few at PHPQuebec here and there on different subjects such as: SQL, Design patterns and more.
- I am developing and maintaining an exception library for PHP used to standardize exception handling in PHP and promote application interoperability.  
(crazycodr/standard-exceptions on github)