

Pier-Alexandre Bouchard

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I.T. Technologies

Languages

- Java (Advanced)
- PHP & JavaScript
- HTML & CSS

Platforms

- Windows, Linux & Mac OS

Frameworks

- Hibernate, Google Guice
- Twitter Bootstrap
- Laravel & AngularJS
- jQuery & JUnit
- PHPUnit & Mockito

Databases

- SQL (PostgreSQL, MS SQL Server, Oracle)
- NoSQL (Redis, DynamoDB)

Libraries

- ZeroMQ

Professional Experience

Amazon, Vancouver, BC

SOFTWARE DEVELOPER ENGINEER – Alexa Domains (HHO)

Aug 2018 – Present

Technologies: Java, DynamoDB, SQS, Guice, JSON, GIT, REST

- Designed, developed, tested, deployed, maintained and improved the timer's functionalities of Alexa, Amazon's voice-control system
- Implemented engineering best practices into DynamoDB for maximizing performance and minimizing throughput
- Implemented DevOps best practices initiatives into QA processes by creating monitors, alarms and automatic blockers in our Continuous Delivery Pipelines (CD)

360 Innovations, Repentigny, QC

SOFTWARE DEVELOPER – BusinessCore360

Sep 2014 – Aug 2018

Technologies: Java, PostgreSQL, MS SQL Server, Hibernate, Maven, WildFly, Git, JBoss, JSON, Pentaho, Mockito, JUnit

- Designed, developed, tested, deployed, maintained and improved BusinessCore360, a custom enterprise resource planning (ERP) tool for manufacturers of windows, doors, shutters and blinds; optimizing customer business process throughout
- Decreased development time and cost related to third-party data imports from ERPs by 70% by developing a generic ETL tool using Microsoft Excel as input format

TagMyDoc, Montreal, QC

SOFTWARE DEVELOPER – Intern

Jun 2013 – Dec 2013

Technologies: PHP, MySQL, PHPUnit, Redis, Twitter Bootstrap, Laravel, Apache HTTPD, SVN, REST, JSON

- Designed, developed, tested, deployed, maintained and improved the TagMyDoc front – and backend
- Pioneered and led major code refactoring of the TagMyDoc core project, replacing the private framework with an open-source model-view-controller (MVC) framework; facilitating increased developer productivity
- Increased team productivity by 10% via set-up of a Bug Tracking Tool

Lockheed Martin, Montreal, QC

SOFTWARE DEVELOPER – Intern

Apr 2012 – Sep 2012

Technologies: Java, Google Guice and SVN

- Designed, developed, tested and implemented a fault levels system in a ship simulator for US Navy sailors, reducing time, cost and risk implications via practice on a simulator vs. maneuvering actual ships
- Finalized detailed software requirements (SRS) for complex systems through accurate analysis of related documentation and videos of the physical equipment

The Canadian Space Agency, St-Hubert, QC

SOFTWARE DEVELOPER – Intern

Apr 2011 – Sep 2011

Technologies: JavaScript, jQuery, PL / SQL, Oracle Database, SVN

- Designed and implemented CCAM, an accounting Intranet software to manage documents used to track Canada's expenses in designing the Canadarm, a remote-controlled mechanical arm, for NASA
- Successfully implemented automation scripts for a new Test Automation Platform (TAP)

Education

Bachelor of Software Engineering (*With distinction*), (2014), École de technologie supérieure, Montreal, QC