

SENIOR BACKEND DEVELOPER

SUMMARY – 15 years

Bilingual French and English

Specialized in backend development, I worked as a consultant for many companies such as Videotron, Ericsson, Intact Insurance, Hong Kong Central Bank, IBM, Motorola, BNP Paribas, Royal Bank of Canada and National Bank of Canada.

I recently accepted a position at AppDirect in order to pursue my career in a great software development culture where good practices and technologies are put forward: microservices, twelve-factors, Go, Spring Boot, Spring Cloud, Docker, NoSQL solutions (MongoDB, Redis, ElasticSearch, Cassandra...), Node.js, AWS, Lambdas... That is what I'm looking for!

You can find my contribution to Stack Overflow (<http://stackoverflow.com/users/641627/alexbt>) as well as personal projects on github (<http://github.com/alexbt>).

SUMMARY OF SOFTWARE AND TECHNICAL KNOWLEDGE

Java:	Java 8, Spring 4+ (Boot, Cloud, Data, Web, Security...), MongoDB, JPA/Hibernate, REST, TDD, Maven 2/3, Gradle, LDAP, EJB 3.0/3.1, SWING, Struts2, JSP/Servlet, JDBC
Tools :	Eclipse/WebSphere Studio AD, IntelliJ IDEA, Git, Jenkins, Docker, WebSphere AS, WebLogic, GlassFish, JBoss, Tomcat, Rational Team Concert, SVN, WebSphere MQ
Others:	Go 1.8, JSON, Node.js, AngularJS, ReactJS, SCRUM, HTML/CSS/JavaScript, XML, UML, SQL, Korn Shell, C/C++, SWIFT (SAA, SAG, SNL, FIN/FIN Copy, MQSA)
Systems :	Linux, UNIX AIX, UNIX SUN Solaris, Windows
Databases :	MongoDB, Oracle, SOLR, MySQL, DB2, H2, HSQLDB, Derby

PROFESSIONAL AND ACADEMIC FORMATIONS

2005 - 2016	Severals certifications/formations throughout the years: MongoDB for Java (M101J), Java EE5 Architect (parts 1-2-3), Java EE6 JavaBean Developer (EJB 3.1), RAD Developer for WebSphere V6, IT Infrastructure Library (ITIL), Java SE6 Developer (parts 1-2), Web Java EE5 Developer, Java SE1.4 Programmer
Jan. 2004 – Dec. 2008	BACHELOR IN SOFTWARE ENGINEERING , ETS – Montreal
Sept. 1997 – May 2000	Computer sciences technique, Cegep du Vieux-Montreal – Montreal

EXPERIENCE – 15 years

APPDIRECT, Staff Backend Developer

Fev. 2017 – ..., Montreal

Project : Develop new features for the Cloud Marketplace and contribute to the development lifecycle.

Tools : Go 1.8, JDK 8.0, Spring, Maven 3, Jenkins, MySQL, IntelliJ IDEA, LDAP, REST API, Docker, Git

- Defined the company standards for API development with a microservice perspective: versioning strategies, backward compatibility, maintenance and documentation (as part of a small team);
 - Developed tools (DevOps) to generate and validate the API documentation for Swagger and Slate – in Go;
 - Developed new features for the Cloud marketplace – in Java/Spring;
 - Contributed to reduce the build time as well as fix inconsistent unit tests;
 - Worked in remote teams with colleagues and leads spread across the globe.
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VIDEOTRON, Senior Java Developer

Nov. 2013 – Dec. 2016 (3 years), Montreal

Project : Several development projects on Video On Demand backend systems.

Tools : JDK 8.0, Spring 4.2 (Boot, Data, Web, Security), Maven 3, Jenkins, MongoDB, SOLR, JBoss EAP 6.4.0, Eclipse, IntelliJ IDEA, Oracle 10g, Mockito/jUnit, LDAP, REST API, Docker

- Led the development with a team of 5 developers;
 - Developed the Video On Demand metadata management system – in Java 8, Spring Boot (web, data, security...), AngularJS, SOLR, LDAP;
 - Performed proof of concepts and performance tests with MongoDB to demonstrate its viability;
 - Established a development culture with an emphasis on unit tests (relaxed TDD);
 - Standardized the structure of all systems – about thirty – to enforce best practices and industry standards (Maven 3, Nexus, Jenkins, releases vs snapshots...).
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EXPERTUS, Senior Java Developer

Jan. 2012 – Apr. 2013 (1 year and 4 months), Montreal

Project : Replace Bank of Canada's Visual Basic desktop application with a web application for their Canadian financial messaging system (used by all banks in Canada).

Tools : SCRUM, WebSphere AS 8.0, JDK 6.0, EJB 3.1/CDI, JSF 2.0, Eclipse, RTC, DB2 9.5, SWIFT, Mockito/jUnit, Selenium, Websphere MQ

- Designed and developed a web application over an existing Main Frame for the financial transfer system used between Canadian banks – in Java, EJB 3.1, CDI, FSJ, MQ;
- Led the development with a team of 3;
- Enforced an emphasis on unit tests (relaxed TDD);
- Assisted developers and prioritized their tasks.

CANADIAN NATIONAL (CN), Senior Java Developer

May 2011 – Dec. 2011 (9 months), Montreal

Project : Evaluate the viability of replacing SWING applications with re-written GWT web applications.

Tools : JDK 6.0, GWT, Guice, Spring 2.4, SWING, RAD 7.05/8.0, WebSphere AS 7.0, Lucene, Rational Clearcase

- Created a simple and reusable framework for in-house GWT applications (clear separation of UI and business logic, event bus, client-backend communication, exception handling...);
 - Developed a GWT application to help manage wagons in rail yards (replacing an existing SWING Application), Guice/GIN with RAD8 and WebSphere 7;
 - Developed a GWT application to index and search documents (GWT, Spring and Lucene).
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EXPERTUS, Senior Java Developer

Feb. 2011 – May 2011 (3 months), Montreal

Project : Improve the financial system used by « PSP Investissements » to manage some of the largest public pensions.

Tools : SCRUM, JDK 5.0, WebSphere AS 7.0, WebLogic, Struts/JSP, EJB, SVN, DB2, Ant, WebSphere Application Server Toolkit/Eclipse, WebSphere MQ V7.0, JIRA, SWIFT, Linux/OpenSUSE, Jasper Report/iReport, DB2, JavaScript

- Developed new functionalities for a financial messaging transfer – SCRUM, Struts, EJB 2.0, DB2;
 - Installed, deployed and managed WebLogic and WebSphere.
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VIDEOTRON, Java Developer

Jul. 2009 – Dec. 2010 (1 year and 6 months), Montreal

Project : Deliver Videotron's next generation Digital TV solution.

Tools : SCRUM, JDK 6.0, Spring 3.0, JPA2.0/Hibernate 3.6.0, GlassFish 3, Maven 2, Mockito/jUnit, Oracle 10g, Eclipse, Concordion

- Developed the backend system to allow browsing Video On Demand from set-top boxes – Java, Spring, hibernate, glassfish;
- Analyzed marketing requirements and their feasibilities as well as recommended architecture and design;
- Defined and documented the interfaces between systems and their expected behaviour.

ERICSSON, Java Developer

Jan. 2009 – June 2009 (6 months), Montreal

Project : Improve an existing cellphone voicemail and SMS system.

Tools : SCRUM, JDK 6.0, JSP/Servlet, JEE/J2EE, LDAP, Eclipse, Ant, Rational ClearCase, Rational ClearQuest, Multithreading

- Developed new voicemail and SMS functionalities – Java, JSP, UNIX, LDAP;
 - Helped coaching junior and foreign developers.
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INTACT ASSURANCE (ING CANADA), Java Developer

Apr. 2008 – Dec. 2008 (8 months), Montreal

Project : Improve an existing insurance submission system with a new user interface.

Tools : SCRUM, JDK 1.4, Jetty 4, JEE/J2EE, Rational ClearCase, Rational ClearQuest, Ant 1.6.2, JavaScript, Jacada

- Developed a web application over an existing Main Frame legacy system with Screen Scrapping;
 - Performed unit tests thoroughly to minimize the errors discovered in integration tests (the client requesting a special consideration for this).
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HONG KONG CENTRAL BANK & IBM, Java & SWIFT Developer

Apr 2007 – Apr2008 (12 months), Hong Kong

Project : Creation of a financial transfer system with an expected high volume and high visibility in Asia.

Tools : JDK 1.4/6.0, EJB 2.0, JEE/J2EE, SWING, WebSphere AS, WebSphere Studio AD/Eclipse, UNIX AIX 5.3, Rational Clearcase, IBM MQ Series, WebSphere Message Broker, Ant 7.0, SWIFT 6.0 (SAA, MQSA, SNL, SAG, FIN/FIN Copy)

- Defined the architecture involving technologies such as Java/JEE, MQ Series, SWIFT's financial products, UNIX AIX, WebSphere AS and Message Broker;
- Developed the proof of concepts (for the financial system) used by the developers;
- Designed and developed tools to automate integration, regressions and performance tests (Java/SWING/WebSphere MQ) used by the tests team;
- Helped junior developers on the technical and business aspects.

ÉCOLE DE TECHNOLOGIE SUPÉRIEURE (ETS), Course lecturer – Distributed Java Development

Jan. 2007 – Apr 2007 (4 months), Montreal

Tools : JDK 1.4, RMI, JSP/Servlet, EJB 2.0, JEE/J2EE, JBoss, Tomcat, Eclipse, Hibernate, iBatis, Ant 6.0, Rational Rose/UML, CORBA/jacORB, Derby

- Detailed the use of distributed protocols in Java: RMI, EJB Session et Message-Driven;
 - Presented the concepts and design patterns implemented by J2EE containers;
 - Presented several persistence options: Hibernate, iBatis et JDBC.
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MOTOROLA, Java Developer

Jan. 2005 – Aug. 2005 and Apr. 2006 – Aug. 2006 (12 months), Montreal

Project : Creation of a credit card submission application (for citiBank) and maintain a cellphone management system for carriers.

Tools : JDK 1.4, JSF 0.9, JSP/Servlet, EJB 2.0, JEE/J2EE, SWING, CMMi 5, Hibernate, Eclipse, NetBeans, SUN Studio Creator, Ant 1.5, UML/Rational Rose, Rational Clearcase, Linux, BEA WebLogic, Oracle 10g, Visual Studio, C++, JavaScript

- Developed a credit card submission application (for Citibank) – in Java, JSF, Web Services, hibernate, WebLogic;
 - Created and maintained ant build scripts for the whole team (around 20 developers);
 - Maintained and developed functionalities for cellphone carriers to backup and restore data – in C++.
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BNP PARIBAS, ROYAL BANK and NATIONAL BANK, C & SWIFT Developer

May 2000 – Dec. 2003 (3 years et 8 months), Paris, Montreal, Toronto, New York, Rabat, Chypre

Project : C development and support several banks' financial systems.

Tools : C/C++, Visual Studio 6.0, UNIX AIX, WebSphere MQ, COBOL, SWIFT (SAA, MQSA, SNL, SAG)

- Developed a routing system to filter and redirect financial messages between branches – in C/C++;
- Developed a graphical monitoring tool for Websphere MQ in production – UNIX C/C++;
- Provided on-site support for several international clients to investigate and recommend solutions for their SWIFT systems.