

Martin Bertrand
Senior Middleware Consultant - Integration / Architecture

Summary

I specialize in middleware integration, particularly web infrastructures. My systematic, organized and logical approach ensures quality results, that meet your requirements.

Being involved with middleware, I am at the center of solutions, giving me visibility and a great understanding of all technologies used, along with their interactions. This is a great asset for detailed architecture efforts and coordination while building solutions.

My past experience allows me to efficiently communicate with members of other teams, in various specialties. I have built this experience through my years as a developer, system administrator and middleware specialist.

Contact information

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Technological specialties

Integration and product administration

- IBM WebSphere Application Server, Tomcat Servers Web Apache (et IBM HTTP Server)
- Microsoft Azure Cloud
- SOLR, ZooKeeper
- OpenDJ, OpenAM, OpenIDM
- IBM WebSphere MQ
- Liferay Portal, JBoss
- Atlassian Jira and Confluence

System administration

- IBM AIX
- Solaris
- Linux

Development

- Scripts : Bash, Python, Perl
- Web : HTML/CSS, PHP, Javascript, MySQL

Technologies integration

Network

- Routing, NAT, security (Firewall, WAF) , DNS

Databases

- IBM DB2, Oracle, PostgreSQL, MySQL

Servers

- AS400, via MQ

Accomplishments

Conception, integration, installation, configuration and performance management of the Pharmaclik site for 10 years. Pharmaclik is an online ordering web site for clients of McKesson Canada. It handles around 80% of all orders at McKesson (roughly 10 billion \$ in revenue).

Microsoft Azure Batch project creation: automatic components creation, processing monitoring and reporting of results.

Middleware specialist at Vidéotron for the introduction of cell phone offering, Illoco V2 and Illico Web.

First integration and installation in production of the SOLR, ZooKeeper, OpenDJ, OpenAM, OpenIDM at McKesson Canada.

Detailed architecture of the first IBM P595 servers at Bombardier.

Architecture and installation of the first IBM Pseries, with HACMP, servers at McKesson Canada.

Internal web tools for middleware administration, auditing and monitoring throughout my career.

Professional experience

Since November 2018
Informatique Mipexo Inc.

Founded Mipexo to consult clients with their middleware requirements.

Senior Middleware Consultant Integration / Architecture

April 2013 to October 2018
McKesson Canada

Senior middleware integrator

Senior middleware integrator:

- Integrator, technical consultant and architect.
- Technological coordination of different teams for middleware solutions (network, database, AS400, security, Windows).
- Support and systems evolution:
 - B2B Pharmaclik Internet site (IBM HTTP Server, WebSphere Network Deployment, Entrust GetAccess, DB2, MQ).
 - Enterprise portal and outsourced external sites (Apache HTTPD, Jboss, Liferay, OpenJD, PostgreSQL, SOLR, ZooKeeper).
 - Internal sites (Apache HTTPD, Tomcat, PHP, PostgreSQL).
 - Tibco Business Connect, Business Works, Enterprise Message Bus.
- Microsoft Azure Cloud training.

Accomplishments:

- Introduction of SOLR et ZooKeeper to McKesson.
- Portal implementation: Liferay, JBoss, PostgreSQL, OpenDJ, SOLR, ZooKeeper on Red Hat.
- Pharmaclik site migration from AIX to Linux. Responsible for IBM HTTP Server, WebSphere Application Server and MQ, OpenDJ, OpenAM, OpenIDM to replace Entrust GetAccess.
- Completed a Microsoft Azure Batch project.

August 2012 to March 2013
Banque Nationale du Canada

Senior middleware integrator

Middleware analyst on WebSphere Portal, WebSphere Network Deployment, IBM HTTP Server, on IBM LPAR-AIX.

Integration expert and support of WAS, the IBM LPAR-AIX infrastructure for Rational Team Consort, Datastage and Business Objects products.

March 2009 to August 2012
Vidéotron

Web Infrastructure integrator, WAS and MQ administrator.

Technical resource for integration and architecture for Vidéotron web sites.

Technological integration between teams: systems (Unix, Mainframe, Windows), network (DNS, routing, load balancers), security (firewalls) and others (WebMethods, Remedy, customer service).

Administration, support, updates and documentation of the WAS infrastructure of www.videotron.com, illicoweb.tv and other internal sites (customer service, cell phone services, cable TV content).

Administration, support, updates and documentation of the MQ infrastructure between WAS, WebMethods, Windows, Unix and CICS Mainframe systems.

Creation of internal centralized administration web sites for WAS, MQ, DNS, SSL certificates, performance management (HTML, CSS, PHP, MySql).

Accomplishments:

- Migration of WebSphere Network Deployment from V5 and V6 to V7.
- Customer service application migration from Solaris to AIX running servers.
- Illicoweb.tv delivery.
- 3G cell phone web infrastructure delivery.
- President prize, 2009 candidate for the “Excellence” value, 2010 finalist for the “Franchise” value.
- Systems administration of AIX and Solaris servers, including partitioning and virtualization.

February 2008 to March 2009
Quadra Knowledge Inc

**Middleware Architect /
Integration consultant**

Bombardier

Detailed architecture of the first IBM P5595 servers.

Bluewater Power and Nor-Con Collection Network

Setup of Tivoli Storage Manager, SANs (IBM DS4200), TDP SQL Server, TDP Outlook, TDP Sharepoint and lan-free backups.

Invera

IBM P510 server migrations.

Standard Life

WebSphere Application Server architecture review.

IBM

Middleware analyst for IBM’s client, Banque Nationale. Banking transaction web site support (WebSphere Application Server et MQ, IBM HTTP Server, ...).

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| <p>September 2002 to February 2008 McKesson Canada</p> | <p>Systems and middleware administrator on the McKesson Canada e-business site (B2B). Products: IBM AIX, Sun Solaris, Apache, WebSphere Application Server, DB2, HACMP, MQ Series, Entrust GetAccess, LDAP.</p> |
| <p>Middleware administrator Senior Unix administrator</p> | <p>Integration and support of diverse systems. Products: IBM AIX, Oracle, SAN DS4000, TSM, IBM Websphere Data Interchange (WDI), IBM Trading Partner Interchange (TPI).</p> <p>System resources for projects architecture.</p> <p>Accomplishments :</p> <ul style="list-style-type: none"> • Introduction of new technologies for McKesson: IBM P servers, AIX, HACMP, Apache (IBM IHS), SAN, WDI, TPI. • WebSphere Application Server migrations from V3.5 to V4 to V6. • Other migrations: DB2, WebSphere MQ, IBM HTTP Server • Monitoring web site and agents development (HTML, CSS, PHP, XML). |
| <p>August 2000 to June 2002 Quadra Knowledge Inc</p> | <p><u>IATA, iiNET integrator</u></p> <p>Integration and support of an e-business system: Sun Solaris 8, Oracle 8 database, Apache HTTPD, FTP, PHP application, Check Point Firewall-1, Veritas NetBackup.</p> <p>Accomplishments :</p> <ul style="list-style-type: none"> • Systems expert for a complete rewrite of the application from Windows to Unix, to support requirements 10 times greater. • Firewall and users database reconstruction. • Administration and surveillance tools development. • Procedures and policies creation, training of support personnel. |
| <p>April 1999 to March 2000 Nortel Networks</p> | <p>Nortel Networks consultant at Bell Canada for the 411 Support (interception and automated vocal response).</p> <p>Installation, configuration, upgrades and support of Nortel Networks products on AIX, IBM RS/6000 servers, HACMP, Legato, Oracle database, Nortel NAV platforms (Motorola/Unix).</p> <p>Architecture and implementation of engineering notes management system.</p> |
| <p>Systems administrator and engineering notes management.</p> | <p>Development, support and source control for flight simulation tools on AIX. Development of the version control tool, running on AIX, IRIX, Linux and Windows NT, in C++ (client side).</p> <p>Installation, upgrades and emergency support at British Airways (Londres), Emirates Airlines (Dubai), Japan Air Systems (Tokyo), Japan Air Commuter (Kagoshima) and Northwest Airlines (Phoenix).</p> |
| <p>June 1996 to March 1999 CAE Électronique Ltd.</p> <p>IBM AIX System Administrator Source control Developer</p> | |

Education

- 2018 Microsoft Azure Deep Dive
(16 weeks)
- 2015 JBoss Enterprise Application Platform
6 Administration 1 and 2
- 2005 Integrated project management training
program (PMI)
- 2002 IBM MQ Series Administration
- 1996 B. Sc. Computer Sciences
Université de Montréal
- 1993 Officer training, Land Electric and
Mechanical engineering.
University studies in Spatial Sciences
Collège militaire Royal de Saint-Jean,
Canadian Army
- 1992 College diploma, Science and
Engineering.
Collège militaire Royal de Saint-Jean,
Canadian Army

Other accomplishments

Saint-John Ambulance volunteer

- Information technology provincial coordinator.
- Architecture, implementation and development of informational and intranet provincial web sites for the regions of Montréal and Laval-Laurentides-Lanaudière.
- Medical First Responder, Instructor and diverse administrative roles in Division 971 Laval.
- 4700 volunteering hours and 6 500\$ amassed donations in 8 years.

This is how I learned JavaScript :

<http://bertfrac.mbertrand.ca>