

## Professional Experience

Intelivote Systems Inc, Dartmouth, NS  
2004 – Present

*Provides election services for government bodies, political organizations and corporations. Implements a unique solution to allow voting over the Internet and Telephone while integrating with traditional polling methods.*

### Technical Architect / Developer

#### Achievements:

- Designed and developed a multi-user, multi-role, end to end election software system which has been successfully implemented for elections in Canada and the United Kingdom.
- Designed and developed a telephone gateway to the application using Voice XML as a presentation layer component to the election system.
- Integrated an election system using web services which allowed Intelivote and four other vendors to provide a single solution for two municipal elections in the United Kingdom.
- Designed software for a touch screen voting system for an international business partner using Election Markup Language (EML; a standards based schema from the OASIS group for election interoperability)
- Introduced and Implemented Agile Software Development methodology using Scrum for the whole organization.

#### Responsibilities:

- Provide technical leadership for the development team and determine technical direction for application designs.
  - Identify and document system requirements and design software components and work with business owners to ensure deliverability of designs.
  - Present information relating the architecture and security of the system to outside investors and potential clients.
  - Architect, implement, monitor and support high availability hardware solutions to deliver election services.
  - Participate in the setup and delivery of election events for clients.
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Jacques Whitford, Dartmouth, NS

2000 – 2004

*An International firm of over 35 offices across Canada and the United States that provides professional services in environmental and earth sciences.*

### **Manager, Information Systems**

#### Achievements:

- Built a formalized approach to technical support including helpdesk, client service level agreements and escalation procedures.
- Standardized the use of technology across the organization and defined process for procurement and implementation of information technology initiatives.
- Developed organizational security policy and disaster recovery framework.

#### Responsibilities:

- Manage and develop IT Staff throughout the organization.
- Oversee corporate IT initiatives and ensure that outcomes were in line with corporate vision.
- Identify organizational requirements as they relate to technology and set company standards for applications, hardware and protocols.
- Act as Liaison for all IT goods and service providers to ensure quality service and maximum cost savings.

Jacques Whitford, Dartmouth, NS

1997 - 2000

### **Senior WAN Technician**

#### Achievements:

- Standardized all Network operating systems and hardware and improved system stability and reliability.
- Designed and built a network monitoring system to monitor network equipment and report on system weaknesses.
- Designed and implemented system firewalls and perimeter monitoring for the organization.
- Replaced frame relay network with open source virtual private network.
- Designed and implemented internet security protocols.

#### Responsibilities:

- Monitor and maintain enterprise systems.
  - Provide second tier support to location system administrators.
  - Liaise with communication and hardware providers to ensure quality service and maximum cost savings.
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Polar Bear Software Company, Halifax, NS  
1996 – 1997

*An IBM owned software applications training organization providing corporate and commercial training across Canada. Recognized as one of the leading software applications training facilities in the country.*

### **Technical and Applications Instructor**

#### Achievements:

- Microsoft Product Specialist Certification
- Microsoft Certified Trainer Certification
- Certified Netware Administrator Certification

#### Responsibilities:

- Provide classroom training in office applications to corporate clients.
- Provide classroom and lab training to technical professionals.
- Develop and deliver classroom material where necessary.

CompuCollege School of Business, Halifax, NS  
1995 – 1996

*A locally operated franchise of the Toronto School of Business provides diploma programs in areas of accounting, business administration, microcomputer applications and repair, network applications and hospitality industry.*

### **Instructor / Support**

#### Achievements:

- Implemented the school's first Internet Gateway and Internet email system.
- Developed a pilot program for continuing education program in the evenings.

#### Responsibilities:

- Provide classroom training in applications to diploma students.
  - Develop and deliver classroom material where necessary.
  - Provide system support as required.
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## Skills Matrix

	<u>Last Year Used</u>	<u>Years Experience</u>
Java	2009	8
JSP	2009	8
Struts	2009	8
Enterprise Java	2009	6
Swing/AWT	2009	3
JSF	2009	3
JavaFX	2009	1
HTML/DHTML	2009	12
JavaScript	2009	12
Voice XML	2009	6
Scrum	2009	1
Linux	2009	14
Cisco CSS	2009	4
Cisco IOS	2007	5
Perl	2006	6
C++	2005	2

## Education

CompuCollege School of Business, Halifax, NS  
**Business Administration / Microcomputer Business Applications**  
Graduated 1992 with Honors

Currently studying for CISSP exam

## Publications

<http://shawnonjava.blogspot.com>

<http://twitter.com/shawncrosbys>

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