
Professional Roles

- 05/2013 - Present **Firefighter 1st Class**, *Calgary Fire Department*, Calgary, AB.
Responsibilities include apparatus driver/operator, responding to alarms, station/equipment maintenance, delivering drills and other duties as directed.
- Authored *Monthly Productivity* and *Hose Testing* software applications used by all platoons
 - Contributing editor to *Emergency Traffic Management* manual
 - Member of the A-shift “firestarter” group since fall 2014
- 09/2012 - 09/2014 **Casual Field Operator**, *Lakeland College*, Vermilion, AB.
Provide part-time field support at Emergency Training Centre. Duties include apparatus driver/operator, fuel/prop operator, utilize firefighting equipment and assist as directed.
- 05/2010 - Present **Managing Partner**, *Radical Dynamic*, Harrowsmith, ON.
Founded an applied technology solutions company. Currently working on *SMADE*: a suite of intelligent applications for stock market analysis, automated decision making and trading. Previously developed and marketed *Group Complete*, a system enabling collaborative and remote data collection via “smart forms” for mobile devices. *Group Complete* won “Best in Show” at CouchConf 2011 in San Francisco.
- 04/2006 - 05/2010 **Software Developer**, *Cypress Interactive*, Kilgore, Texas.
Designed and implemented a wide range of solutions for dozens of clients including *EDSuite*, Customer Relationship Management and large, multi-lingual Content Management Systems.
- Assessed requirements, prepared estimates and produced specifications for project managers
 - Introduced new concepts and methodologies to fellow developers
 - Encouraged and improved in-house resources and workflows
- 05/2005 - 04/2006 **Software Developer**, *Self-Employed Consultant*, Napanee, ON.
Provided bespoke development services to businesses ranging from process automation to asset and information management.
- 03/2003 - 04/2005 **Lead Software Developer**, *Morcor Solutions*, Napanee, ON.
System Architect for XpanceNET, an extension to the Xpance asset management and pre-press ad tracking systems for newspapers throughout North America. XpanceNET facilitated online ad-proofing and ad-booking for advertising customers.
- Supervised and provided technical guidance to a small development team
 - Produced and maintained accurate documentation for internal and client use
 - Applied processes and tools to streamline collaboration and improve productivity
- 09/2001 - 09/2002 **Information Management Technologist**, *Scouts Canada*, Ottawa, ON.
Administered network, server and client infrastructure under direction of the IT Manager. Special projects included working with consultants and stakeholders to implement and execute a membership management system (MMS) serving 120,000 people.
- Formed relationships with staff to minimize the negative side effects of “culture change”
 - Supervised and trained staff hired to convert legacy data for import into the MMS
 - Provided 1st and 2nd level technical support for staff in-house and across the country
- 10/2000 - 06/2001 **Service Technologist**, *Altair Electronics*, Kingston, ON.
Provided reliable in-house and on-site computer support and service to customers. Enhanced personal delivery of services by meeting customers at their level of need and understanding.

Volunteer Experience

Firefighting

- 10/2012 - 08/2015 **Firefighter**, *Vegreville Emergency Services*, Vegreville, AB.
The Vegreville Fire Department serves the town of Vegreville and the county of Minburn #27.
- Instruct courses at the request of the fire services coordinator
 - Co-instructed FFTS-S200 Building Construction, November 26-29 2012
 - Instructed NFPA 472 Dangerous Goods Awareness, December 4-5 2012
 - Aided in the instruction of FFTS-900b, December 10-13 2012
 - Respond to alarms, structural/wildland fires, MVCs and medical assists
 - Participate in community events (food drives, holiday events, parades)
 - Maintain and clean equipment and station facilities
- 03/2012 - 08/2012 **Firefighter**, *Wabasca Fire Department*, Wabasca, AB.
Resumed regular responsibilities as volunteer firefighter.
- 10/2010 - 06/2011 **Firefighter – Safety Officer**, *Wabasca Fire Department*, Wabasca, AB.
Instrumental in the development and adoption of an “Operations and Policy Manual” (including codification of Standard Operating Guidelines) for the fire department.
- Implemented a comprehensive application package for new recruits
 - Continued to fulfil the role and responsibilities of front-line firefighter
- 10/2009 - 10/2010 **Firefighter**, *Wabasca Fire Department*, Wabasca, AB.
The Wabasca Fire Department is part of the Municipal District of Opportunity #17 and serves the village of Wabasca, surrounding communities, industry and highways.
- Responded to alarms, structural/wildland fires and MVCs
 - Maintained and cleaned equipment and fire hall facilities

Extra-Professional Roles

- 02/2015 - Present **Founder of “The Firefighter’s Notebook”**, <http://firenotes.ca>, Calgary, AB.
Produced and began developing content for “The Firefighter’s Notebook”, a publicly-available wiki specializing in resources for the fire-rescue community.
- 11/2003 - 05/2004 **Systems Engineer**, *Mercy Ships International Operations Centre*, Lindale, Texas.
Mercy Ships is a global charity that operates hospital ships in developing nations to bring free world-class health care, community development and more to the poor and impoverished.
- Researched and performed numerous system upgrades for production servers and services
 - Responsible for integration and liaison with vendors for a warehouse management system
 - Mentored and advised full-time systems administrators on technical issues and techniques
- 02/1999 - 07/2001 **Systems Integrator**, *10th Canadian Scouts Jamboree*, Cabot Beach, PEI.
Participated in the planning, development of a web-based participant and volunteer tracking system used throughout the jamboree to disseminate member information, reports and program scheduling for 13,000 staff and volunteers. Also accountable for roll-out and support.

Education

- July 2013 **Firefighter Recruit Training, Class 2013-2.**
Calgary Fire Department, Calgary, AB
- November 2012 **Fire Service Instructor.**
 - o NFPA 1041 – Level I, Part 1 & 2Lakeland College Emergency Training Centre, Vermilion, AB
- August 2012 **Certificate of Achievement – Firefighter.**
 - o NFPA 1001 – Professional Firefighter Qualifications, Level I & II
 - o NFPA 1051 – Wildland Firefighter, Level I
 - o NFPA 472 – Dangerous Goods, Awareness & Operations
 - o FFTS-S601 – Basic Pumping OperationsLakeland College Emergency Training Centre, Vermilion, AB
- April 2012 **Emergency Medical Responder (EMR) Certificate.**
Emergency Services Academy, Sherwood Park, AB

Additional Training and Workshops

- October 2014 **Fire Ignition & Live Fire Training Evolutions.**
- September 2014 **Pump & Aerial Training.**
- July 2014 **Driver Training.**
Calgary Fire Department
- May 2011 **S-215 – Fire Operations in the Wildland/Urban Interface.**
Alberta Sustainable Resources Development
- July 2010 **FFTS-S1100 – Vehicle Extrication.**
- July 2010 **FFTS-S401 – Fireground Water Supplies.**
- January 2010 **FFTS-S300 – Basic Fireground Operations.**
Wabasca Fire Department

Certifications

- September 2013 Incident Command System 100 & 200 (Alberta Emergency Management Agency)
- July 2013 IAFF Fire Ground Survival Awareness
International Trauma Life Support – Basic Provider Course
- October 2012 Class 3 Driver's License (Alberta)
- September 2012 Registered Practitioner – EMR until 2014 (Alberta College of Paramedics)
- March 2012 CPR/AED – Level C (St. John Ambulance)
- July 2010 Air Brake Training – “Q” Endorsement (Alberta)
- June 2010 Light Vehicle Driver Training (Alberta)