

## Summary



- 20+ years of **software industry** experience in leadership and technical roles.
- Skilled in developing and executing **business strategy**.
- Applies geographic information systems (GIS) to systematic **conservation** planning, trail **mapping**, regional and watershed **planning**, and **web-based** crowdsourcing and information delivery.
- **Master of Science** (Geography), focused on GIS for land management decision support.
- Proficient in spatial analysis, geoprocessing model development and software customization on the **ArcGIS**, IDRISI and PostGIS platforms.
- Expertise in **relational databases**, object-oriented development and web-server software.

## Employment



2010-; 1991-1998

Feaver's Lane Enterprises Inc., St. John's

### GIS Analyst, Software Developer, President

- As an independent consultant provides GIS planning, analysis, design, customization, automation, mapping and teaching for protected areas planning, watershed analysis, trail mapping, park mapping and other applications.
- Provides information systems planning, integration and development for private- and public-sector organizations.



2013-2015

Too Big To Ignore project, Memorial University of Newfoundland, St. John's

### Senior Information Systems Analyst (part-time)

- Supported an international research network and knowledge mobilization partnership to promote small-scale fisheries and argue against their marginalization.
- Designed, developed and managed the Information System on Small-scale Fisheries ([issf.toobigtoignore.net](http://issf.toobigtoignore.net)), which uses crowdsourced data collection and supports information discovery through maps and queries.



2010-2013

Nature Conservancy of Canada (NCC), St. John's

### GIS and Conservation Planning Analyst

- Applied GIS to systematic conservation planning at province-wide ([nlnatureatlas.ca](http://nlnatureatlas.ca)), regional and local scales.
- Supported conservation land "securement" (fundraising, acquisition, stewardship).
- Represented NCC on municipal and provincial environmental advisory committees.



2004-2008

International Communications and Navigation Ltd. (ICAN), Mount Pearl (now CNS Systems)

### Software Engineering Team Leader

- Led the project researching the next generation of ICAN's marine navigation and surveillance products, and developing prototypes.
- Helped architect and build key components including data management, communications and user interface for 2D and 3D graphical displays.
- Designed and developed products using Microsoft .NET (C#) and SQL Server.
- Understood and documented customer requirements and high-level system design of products and components.
- Mentored staff in database design, Structured Query Language and C#.
- Worked with other company leaders to propose, prioritize and deliver projects.



1998-2004

International Communications and Navigation Ltd. (ICAN), St. John's (now CNS Systems)

## **Systems Engineering Manager, Information Systems Manager, Technical Services Manager**

- Contributed to, edited and coordinated ICAN's investor business plan, which resulted in a seven-figure capital infusion.
- Worked with other company leaders in strategic planning, human resource management, proposal writing and work scheduling.
- Provided project management and leadership for all phases of ICAN's projects.
- Managed Systems Engineering staff responsible for customer requirements, high-level systems design, proposal development, systems integration and training.
- Managed Information Systems staff performing internal application development and systems administration.
- Analyzed, designed and developed integrated information systems for internal use. Key tools included SQL Server, Exchange, Visual Basic, Access and Outlook.
- Headed ICAN's product Technical Support with responsibility for testing, integration, installation, customer training, help desk and field support.
- Provided substantial support for ICAN's administration functions including accounting system setup, operations management and facilities management.



1991-1998

Newtel Information Solutions Limited, St. John's (previously Newfoundland and Labrador Computer Services; subsequently xwave; now Bell)

## Systems Analyst, Programmer

- Consulted to public- and private-sector clients on numerous software applications, as detailed in CV.
- Progressed steadily from a programmer to a systems analyst skilled in technical and application architecture for Windows client/server and web applications.
- Regularly involved with project budgeting, proposal writing, developer mentoring, user training and documentation development.

## ***Education***



2008-2010

Memorial University of Newfoundland, St. John's

**Master of Science (Geography)**

- Academic focus in GIS, decision support, spatial analysis and natural resources.
- Research focus in using GIS-based multiple-criteria decision analysis (MCDA) for integrated land management.

2004-2005

Memorial University of Newfoundland, St. John's

### Geography and Math (part-time)

- Undergraduate courses as prerequisites for a Master of Science program.

1985-1991

Memorial University of Newfoundland, St. John's

## **Bachelor of Commerce (Co-operative) Honours**

- Elective courses in Management Information Systems, Management Science, International Business, Small Business, Finance, Computer Science and Geography.
- Three industry work terms.

## Complete CV & References

Available upon request