

# Robin St-Gelais

## Solution/Technology Architect

<https://www.linkedin.com/in/robinstgelais>

info@robinstgelais.com

### **PROFESSIONAL SUMMARY**

- A bilingual senior consultant with over 20 years of experience providing professional technology and business expertise in Information Technology projects. Robin can quickly develop an understanding of the client's business, evaluate products, recommend and install IT Solutions. He has strong technical background in a wide range of areas, including large scale enterprise wide system architecture, technology infrastructure, systems integration, software evaluation, database management, systems management and application design and development.
- Strong communication skills with the ability to present complex information to a variety of internal and external audiences.
- Exception negotiation and problem-solving skills to work with multiple stakeholders, resolve conflicting priorities and ensure successful delivery of architectural goals and programs.
- Expert in Healthcare related standards HL7 and FHIR.
- Bachelor in Information Systems, Sherbrooke University (Quebec).
- TOGAF 9 Certified Level (v9.1) Credential ID 109003.
- ITIL Foundation Certified (v2 and ITIL 2011).

### **PROFESSIONAL EXPERIENCE**

#### **Barrington Edge/ Barrington Consulting**

**Feb 2020 – Aug 2020**

#### **NS Department of Health, Integration Architect and Data Analyst: Health Analytic Platform Expansion**

- This project was about on-boarding components to the HAP Platform, including the Drug Information System, Continuous Care and Emergency Health Services; it later included the "Master Data" provided by the NS registries (Client and Provider Registry).
- As much as possible, the data modeling was using FHIR standards and terminology to facilitate future integration with different programs (financial, clinical, etc.) and a single view (e.g. per patient, per provider) of the clinical information and services.
- Data modeling using Dimensional Modeling Techniques (Kimball Group).
- Capture business needs and requirements for data warehouse.
- Data modeling and transformation (ETL), designed and built data marts using Discovery Hub.

#### **Barrington Edge/ Barrington Consulting**

**Aug 2019 –Oct 2019**

#### **Canada Health Infoway, Technical Architect: eMental Health Service Directories Discovery**

- The project identified existing Mental Health and Addiction directories in use in the country.
- Role of the Technical Architect was to review and document the Architecture, Technology and Standards (e.g. FHIR, HL7, others) used by the directories.
- Communicated with the Infoway Project Team for deliverables reviews and approvals.

#### **Barrington Edge/ Barrington Consulting**

**Apr 2019 – Jul 2019**

#### **Nova Scotia Internal Services and Public Safety and Field Communications (PSFC), Solution Architect**

- This project was to review the overall IT components of the Public Safety and Field Communications organization; PSFC provides radio communications for every first responder in Nova Scotia and manages some of the telecommunication networks in the province.
- Documented the architecture following TOGAF components (Business, Data, Technology and Application) and reviewed with the Internal Services EA team.
- Documented the proposed future state (solution recommendation) and impact to changes.

**Barrington Edge/ Barrington Consulting**

**Sept 2017 – Dec 2018**

**NS ELI Technology Emergency Services, Solution Architect**

This multi-phase project developed a solution to deliver better location information during an emergency call (911/112) initiated by a mobile device (cell phone).

- The proof of concept was developed and demonstrated to investors and potential clients. The POC included an Android OS App, a web application and a set of services delivered as RESTful Web APIs. This POC was successfully delivered and has progressed to the next phase.
- The Alpha phase completed the ELI Technology to demonstrate a fully functional flow using various access points and cell phone integration with the embedded call application (part of the phone operating system - Android); added functionalities to the API (services) part.
- The Beta phase involved an overall hardening of the solution, in order to prepare for a public demonstration of the ELI Technology solution in Kista City, Sweden. This demonstration included partners, potential investors, customers, and regional dignitaries; it was demonstrating a fully functional and deployed system, with the solution providing reliable delivery of immediate, accurate and precise physical location details of emergency calls.

**Responsibilities:**

- Reviewed requirement with stakeholders and completed the Architecture and Design
- Coordinated development with multi-located teams.
- Insure quality of the overall solution including on-location (Sweden) implementation
- Technical point of contact for partners integration.
- Provided technical expertise and support to installation and support on various platform (AWS, standalone box, etc.).

**Barrington Consulting**

**Jun 2016 – Jan 2017 & Dec 2018 – Feb 2019**

**Emergency Health Services (EHS), Project Lead: Special Patient Program (SPP)**

- The project was to develop and implement a system to support the delivery of the para-medicine services for palliative patients in their homes.
- Defined the requirements with various stakeholders, including the external third party providing the services, the NS department responsible for delivery to the public, and various partners interested in a similar solution (other Atlantic provinces).
- Developed the Solution Architecture and design in collaboration with team members.
- Managed and led the development and the implementation.
- Provided overall quality control to ensure that the program goals were met, and project deliverables were delivered on time and on budget.

**Barrington Consulting**

**Jun 2011 – May 2016**

**Nova Scotia Dept of Health, Lead Project Architect: Drug Information System (DIS) – NS EHR Component**

- The project focused on the implementation of the interoperable Drug Information System (DIS) between the EHR infrastructure, health care professionals and health care delivery organizations

(pharmacies, doctors' offices, etc.). The DIS system contained comprehensive data about a patient's medication history, providing health care professionals with data to support appropriate and accurate prescribing and dispensing drug information.

- Established and maintained relationship with Infoway local (regional manager, technical lead, privacy/security) for architecture deliverables review and approval.
- Defined the overall architecture of the DIS solution, considering functional, technical, project and financial requirements.
- Ensured that the DIS architecture was properly integrated within the existing NS Electronic Health Record (EHR) components, pharmacy systems and the provincial EMR.
- Managed the technical design and implementation of the DIS solution.
- Maintained constant communications with other project team members (PM, Business Lead, Privacy Lead, Change Management Lead), stakeholders, SMEs (pharmacist, doctors), solution vendors, and HITS-NS (NS internal services now NSHA IT/IM) to ensure a consistent understanding of the solution, adherence to standards, and to identify and resolve architecture related issues.

**Barrington Consulting** **Oct 2010 – Feb 2011**  
**NS Health and Wellness, Technology Architect: Solution options for Delivery of Transcribed Reports EMR**

**Barrington Consulting** **Nov 2007 – May 2010**  
**NS DHW, Technology Architect: EHR Client and Provider Registry**

This engagement focused on the implementation of two major components of Nova Scotia's Electronic Health Record system (known as SHARE) – the Provider Registry and the Client Registry.

Responsibilities:

- Participated in the Solution Architecture (Architecture Team of 3 Architects)
- Produced a detailed design and led the integration development
- Interacted with vendor for source systems integration using health care standard HL7 (v2 and v3)

**Barrington Consulting** **Feb 2007 – Nov 2007**  
**NS SNSMR Vital Statistics, Technology Architect: National Routing System**

**Barrington Consulting** **June 2007 – Oct 2007**  
**NS Department of Health, Technology Architect: Surgical Wait Time Initiative (Phase 0 and 1)**

**Barrington Consulting** **Feb 2007 – Jun 2007**  
**NS SNSMR, Technology Architect: IFTA, Registry Motor Vehicle, Mainframe Modernization Project**

**Fujitsu Consulting** **Jan 2006 – Nov 2006**  
**Boeing Commercial Airplanes, Seattle, Quebec, Halifax, Technology Architect: Estimating Project**

**Halifax Regional Municipality** **Jun 2004 – Nov 2005**  
**Technology Architect**

**Fujitsu Consulting** **Nov 1995 – Feb 2004**  
**Technology Architect, Various Projects**