

# Steven Zarichney

Registered under *Zarichney Development*

North Bay, Ontario Canada

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GitHub: <https://github.com/Zarichney-Development>

## Personal Statement

Driven by a passion for continuous improvement, I excel in creating and nurturing high-performing development environments. As an enthusiastic developer with a people-centric approach, my career is marked by a 'figure it out' attitude, enabling me to thrive in dynamic and challenging situations. Experienced in information systems, I specialize in building sophisticated, flexible web-based systems and initiating & leading development teams towards success. My keen business acumen is focused on maximizing organizational value, and I am deeply committed to transferring knowledge and nurturing junior developers. By consistently seeking ways to enhance both my own and my peers' performance, I foster a culture of strategic knowledge sharing and collaborative growth.

## Leadership & Interpersonal Skills

- **Bilingual Communicator** Fluent in French and English, excelling in effective, clear communication.
- **Organizational Efficiency** Demonstrated strengths in time management and organizational effectiveness.
- **Goal-Oriented** Proactive in achieving organizational objectives and exploring new potentials.
- **Ambitious Leader** Driven to inspire team excellence and continuous improvement.
- **Documentation Proficiency** Expert in creating precise, professional documentation.

## Technical Proficiencies

- **Languages & Frameworks**
  - Proficient in full-stack web-based technologies including HTML, CSS/SCSS, JavaScript (vanilla), TypeScript & Angular, C#, .NET Core/Framework, Java, and OpenEdge ABL.
  - Fluent in command line and UNIX-based environments.
- **API Development & Design Patterns**
  - Practices in RESTful API design and development, microservice and event-driven architectures.
  - Knowledgeable in software design patterns including but not limited to: Single Page Applications (SPAs), Reactive Components, Repositories, Unit of Work, Mediator, CQRS, Decorator, Factory, Singleton patterns.
- **Database Technologies**
  - Experienced in database management and operations with SQL Server, Oracle, and other relational database management systems (RDBMS).
  - Related technologies such as ORM frameworks including Entity Framework Core & Dapper.
- **Cloud Services & DevOps**
  - Microsoft-centric services including Azure, DevOps, Application Insight, Dynamics CRM, SharePoint.
  - Git-based source control systems including GitHub, GitLab, BitBucket.
  - Familiar in CI/CD practices including Azure DevOps, TeamCity pipelines.
- **Testing & Software Engineering Best Practices**
  - Competent in standard testing practices including the usage of NUnit, xUnit, Moq, NSubstitute, Postman, SOAP UI, Swagger, Selenium, and various tool procurement for testing purposes.
  - Adherence to secure and reliable coding practices and configuration management.
  - Knowledgeable in software engineering best practices across the development lifecycle.
- **UI/UX Design & Project Management**
  - Aptitude for excellent UI design and effective UX. Ability to reproduce pixel-perfect code from mockups.
  - Project management oriented, proficient in applying agile methodologies and scrum management techniques.
- **AI and Emerging Technologies (R&D)**
  - Research and development in AI-related technologies, including understanding of generative pre-trained transformers (GPTs), large language models (LLMs), and local agents' orchestration (enhanced LLMs, capable of interactions with external sources or the digital environment).
  - Thorough understanding and practice of prompt engineering and experimentation.
  - Continuous product evaluation of existing commercial AI-based tools including the latest model updates testing of OpenAI (ChatGPT), Google (Gemini), Meta (Llama) & Anthropic (Claude)
  - Experience with OpenAI & Azure API, custom DotNet automated workflows, Python scripting for AI contexts, local LLM deployment, and various open-sourced & personal multi-agent framework implementations.

## ***Professional Experience***

### **System Developer Engineer – Ontario Northland Transportation Commission (ONTC)** **2024-Current** *Office, North Bay, ON*

- SaaS Integration & Process Optimization: Administer Hexagon EAM configurations via web utilities and scripting; leading DevOps advocacy initiatives to streamline team workflows and mitigate SaaS constraints.
- Middleware Innovation: Proposed .NET middleware architecture to bridge SaaS-legacy system gaps, enabling cross system integrations, laying groundwork for scalable automation and secure data flow.
- Cross-Functional Collaboration: Partnered with AMO and ITS teams to align integration milestones with organizational modernization goals, prioritizing innovation, security and compliance.

### **System Development Contractor - ThinkingBig & Veterans Affairs Canada (VAC)** **2023-2024** *HQ – Charlottetown PEI; Remote - North Bay, ON*

- Key member of the "Core Framework" team in VAC's "Modernization Project"
  - Leading development efforts of the "back-end" team to overhaul internal software systems.
  - Independently spearheaded the implementation of API servers & systems within a microservice architecture, setting new coding and documentation standards.
  - Reverse engineered legacy system "CSDN" to extract and document business rules & logic and intended system behaviors.
  - Authored comprehensive capability documents & flowcharts, bridging technical concepts for non-technical stakeholders.
  - System analysis and design to effectively perform the planning and development of migrated functionality and inter-systems innovations.
- Initiated AI-based side-project.
  - Leading efforts to raise AI literacy, departmental productivity and empower the workforce with LLM-powered tools.
  - Features an in-house scalable prompt catalog to assist with specific SDLC related tasks.
- Maintained and enhanced the "Rehabilitation Services and Vocational Program" (RSVP) application, handling both front-end and back-end development.

### **Programmer Analyst - FDM4 International, Customer Service branch** **2020-23** *North Bay, ON*

- Full stack web development using Progress OpenEdge of company's product systems:
  - ERP - Enterprise Resource Planning
  - WMS - Warehouse Management System
  - ECOM - E-COMmerce site Management
- Various system development and code management tasks such as system behavioral investigations, business function analysis and/or development, customer support changes and core product enhancements balanced by customer priority/demands maintenance and project driven workload.
- Opportunities to partake in core system innovations.
- Product management of PromoStandards API implementation - as member of PromoStandards community

### **Web System Developer - Hard-Line Solutions, IT/ERP Department** **2016-20** *Dowling (Sudbury), ON*

- Various roles including full-stack web developer, system designer, web administrator, team lead and interim manager.
- Led an overhaul of the company's internal system, integrating legacy components & implementing scalable solutions.
- Engineered key system components like search engine, role and permission system, real time notification system, dynamic menu manager, and dynamic form generation.
- Managed the entire lifecycle of ERP & CRM systems from planning and development to maintenance and support.

- Translated business requirements into functional system designs, enhancing operations and employee workflows.
- Strategically defined and delegated tasks for both ongoing support and project-based work.
- Fostered a culture of learning and growth, training and mentoring new web developers while providing primary support and coaching to team members.
- Executed live code migrations and set up robust web environments for seamless production integrations.
- Established and documented development processes, coding styles, and standards, leading continuous improvement initiatives.
- Championed code refactoring efforts to improve system robustness, maintainability, and scalability.

## **Web System Developer - ClaimSecure, Information Systems & Technology Department**

**2014-16**  
Sudbury, ON

- Full-Stack Web Development: Diverse maintenance task and project work for QA & Production implementation
- Helpdesk Operator: Managed work order system to resolve any technical issue to support internal employees

## **Education**

### **Bachelor of Computer Science (B. Cosc.) with Honors - Laurentian University**

**2011-15**  
Sudbury, ON

- Applicable courses at Laurentian:
  - Software Engineering – *Includes design methodologies, implementation and maintenance of large systems, use and development of software and support systems*
  - Techniques of System Analysis – *The analysis and design of an Information System viewed by the system's owners, users, builders & designers on both the technical and business-oriented side*
  - Multiple courses on individual programming languages – *Abilities in Java, Python, C++, HTML, PHP & SQL, including Unix terminal and XML manipulation*
- Certificate in Geographic Techniques (GIS)

### **Secondary Education - École Secondaire Catholique Algonquin**

**2006-11**  
North Bay, ON

- Received honor award at École Secondaire Catholique Algonquin for four years consecutively

## **Formal Training**

- |   |   |             |
|---|---|-------------|
| ➤ Introduction to Agile Project Management    | - <i>In office professional training</i>            | <b>2019</b> |
| ➤ Introduction to PMP®                        | - <i>In office professional training</i>            | <b>2018</b> |
| ➤ Qualifying preparation hours for CAPM® exam | - <i>Pluralsight, PMP® training</i>                 | <b>2017</b> |
| ➤ Technical Co-op position                    | - <i>CSFN (French School Board in North Bay ON)</i> | <b>2008</b> |

## **Volunteer Experience**

- |  |   |                |
|--|---|----------------|
| ➤ Member of PromoStandards                   | - <a href="https://promostandards.org">https://promostandards.org</a>                                     | <b>2022-23</b> |
| ➤ Participated in Google Glass Development   | - <a href="http://michaelsanford.github.io/Glass-Beach/">http://michaelsanford.github.io/Glass-Beach/</a> | <b>2014</b>    |
| ➤ Member of Google Development Group Sudbury | - <a href="https://www.gdgsudbury.ca/">https://www.gdgsudbury.ca/</a>                                     | <b>2013-15</b> |
| ➤ Leader of Residence Community Group        | - <i>"Rezycling" (recycling committee)</i>  | <b>2012-13</b> |
| ➤ Attended Leadership Camp                   | - <i>Chosen by select teachers</i>  | <b>2010</b>    |
| ➤ Église Catholique St-Vincent de Paul       | - <i>Violinist of church orchestra</i>  | <b>2007-08</b> |
| ➤ École Secondaire Catholique Algonquin      | - <i>Auditorium Technician</i>  | <b>2006-08</b> |