

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 and 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 model updates testing of OpenAI (ChatGPT), Google (Gemini), Meta (Llama) & Anthropic (Claude)
- Experience with OpenAI & Azure API, Python scripting for AI contexts, local LLM, and various open-sourced & personal multi-agent framework implementations.
- Open-source author of "SDLC Toolkit" – a catalog of LLM-based tools dedicated to the workforce of software development

Professional Experience

System Development Contractor - *ThinkingBig & Veterans Affairs Canada (VAC)*

2023-Present

Remote, Based in 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 engineer 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 departmental productivity and empower the workforce with LLM-powered tools.
 - Features an in-house customized catalog to assist with specific SDLC related tasks.
 - Educational goals of raising AI literacy, understanding and effective engagement in the workplace
- 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

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

Volunteer Experience

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