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### Overview

I am an accomplished Solution Architect, Development Team Manager, and Developer with broad experience in Enterprise Architecture, all aspects of the Project Management and Software Development Lifecycles, effective at combining technical ability with strong leadership and drive. I have over 15 years' experience in developing complex enterprise applications, as well as having the soft skills to manage both people and client expectations. My breadth of experience include designing business and system analysis and architecture, system and technical modeling, requirements gathering and definition, system design and development, user interface and user experience design and development, change management analysis, prototyping, advanced programming, implementation, user acceptance testing, maintenance, and both user and technical documentation.

### Summary of Qualifications

- Wide experience architecting solutions from the ground up, including database design and development, enterprise integration, security frameworks, service-oriented architectures, and front-and back-end design and development, user interface design and development with WCAG and mobile compliance.
- Experience setting up Enterprise Architecture framework from the ground-up, including establishment of an Architecture Review Board, enterprise architecture taxonomy, defining policy instruments, common enterprise architecture repository and support for governance.
- Solid management skills, demonstrated proficiency in leading and mentoring individuals to maximize levels of productivity while forming cohesive and collaborative team environments.
- Coordinates and facilitates business requirements gathering sessions, gap analysis, risk assessment and business requirements validation, translating business requirements into functional, system and technical requirements.
- Strong knowledge of project management concepts and methods, and experience in planning and managing cross-functional projects and stakeholders.
- Expert in software development, methodologies, tools, solution architecture, data modeling, database design, programming, quality assurance, documentation, and change management.
- Builds and maintains strong stakeholder relationships with a service-oriented approach.
- Bilingual in English and French (*GC Linguistic Profile: BBB as of 2018*).

### Technical Qualifications

<b>Enterprise Architecture</b>	<ul style="list-style-type: none"><li>• Business/IT Strategic Alignment</li><li>• Cloud Computing (Azure)</li><li>• IT Strategy &amp; Transformation</li></ul>	<ul style="list-style-type: none"><li>• Frameworks (TOGAF, Zachman)</li><li>• Modeling (UML)</li><li>• EA Policy and Governance</li></ul>
<b>Software Development</b>	<ul style="list-style-type: none"><li>• Agile/Scrum Methodology</li><li>• DevOps</li><li>• Mobile Platform</li></ul>	<ul style="list-style-type: none"><li>• User-Centric Design</li><li>• Open Source (Git)</li><li>• WCAG 2.0 Compliance</li></ul>
<b>Programming Languages</b>	<ul style="list-style-type: none"><li>• .NET (C#, ASP.NET, VB.NET)</li><li>• SQL, T/SQL</li><li>• ASP, VBScript, Visual Basic 6</li></ul>	<ul style="list-style-type: none"><li>• CSS3 (Bootstrap), HTML5</li><li>• JavaScript (JS, jQuery, Angular)</li><li>• C++</li></ul>
<b>Databases</b>	<ul style="list-style-type: none"><li>• Microsoft SQL Server 2000+</li><li>• Oracle 9+</li></ul>	<ul style="list-style-type: none"><li>• MySQL</li><li>• Sybase 12.5</li></ul>
<b>Software</b>	<ul style="list-style-type: none"><li>• Sparx Enterprise Architect</li><li>• MS Visual Studio</li><li>• MS Team Foundation Server</li></ul>	<ul style="list-style-type: none"><li>• MS SQL Management Studio</li><li>• SQL Reporting Services (SSRS)</li><li>• RedGate SQL Tools</li></ul>

## Education

<b>Bachelor of Sciences, Computer Science</b> Memorial University of Newfoundland September 1997 – May 2001	<b>Information Systems Specialist</b> Professional Institute of Applied Technology January 2000 – May 2002 St. John's, Newfoundland
<b>Specialized Training</b>	<ul style="list-style-type: none"> <li>• Enterprise Architecture Strategy &amp; Operational Model (Info-Tech – February 2018)</li> <li>• Project Management (Ottawa University – January 2015)</li> <li>• WCAG 2.0 Accessibility Standards for Developers (January 2015)</li> <li>• Microsoft Dynamics CRM Developer Training (January 2013)</li> <li>• .NET Programming for XML: Web Services and AJAX (June 2010)</li> <li>• SiteCore .NET Developer Certification CMS 6.2 (October 2010)</li> </ul>

## Professional Experience

### Solutions Architect

**Canadian Institutes of Health Research (CIHR), Ottawa, ON**

**January 2018 - Current**

Provide technical changes to the IT architectural frameworks, standards, policies, plans and designs for CIHR and external partner organizations, NSERC and SSHRC. Develop, implement and maintain software applications technical architectures that respond to business requirements, and are designed according to software engineering principles in terms of modularity, usability, extensibility, maintainability, etc. Responsibilities include research of new/proven technologies, analysis of business requirements, development and maintenance of technical architectures, frameworks and strategies. Responsibilities also include the communication, documentation and training for the artefacts derived from the previously-mentioned activities, as well as quality assurance activities to ensure that the application development is done in accordance with these artefacts.

- Directs architectural technical activities; coordinates and facilitates the development of complex architectural solutions.
- Oversee the alignment of technical infrastructure against architectural designs.
- Establish and promote the concept of Enterprise Architecture and its implementation at CIHR.
- Create and Chair the Architecture Review Board, in partnership with NSERC and SSHRC.
- Analyze and evaluate alternative technology solutions to meet business problems, and assess their compatibility and potential for integration into existing CIHR technical environment.
- Identify, recommend and make decisions on the policies and requirements that drive out a particular solution.
- Analyze functional requirements to identify information, procedures and decision flows, and create technical models that best describe those requirements.
- Offer expert advice; perform walkthroughs and reviews related to technologies, models, architectures, solutions and SDLC to senior management.
- Chairing or facilitating any project-related meetings or on intra- and inter-departmental meetings and committees (e.g. NSERC-SSHRC)

## **Manager, Business Analysis and Systems Development & Application Architect**

**Canada Council for the Arts (CCA), Ottawa, ON**

**Feb 2013 – January 2018**

Manage the Solutions Development team. Provide leadership and strategic direction for the software development activities at Canada Council. Design and build systems, custom applications and systems interfaces. Design and develop service-oriented architecture. Deliver technical recommendations and guidance in the development of new business processes. Develop rich web and desktop applications, which are mobile-responsive and WCAG compliant.

- Manage an Agile team of software engineers, QA testers, UI/UX designers and business analysts, as well as various contractors in a Scrum environment; providing guidance, work objectives, performance reviews and mentorship
- Lead in all projects at Canada Council in systems architecture and design, reporting to the Director of Information Technology/Information Management.
- Provide direction for Information Technology/Information Management Strategic Plan, as well as overall Canada Council Strategic Plan.
- Manage the development team of 10-15 resources using Agile and Scrum methodology.
- Architect and build small- and large-scale systems, with a specialization in complex web applications.
- Participate in information management systems-related project planning and execution for multiple short- and long-term concurrent development projects.
- Provide business systems processes and change management analysis.
- Collaborate with stakeholders, developers and testers to facilitate user story writing and prioritize stories for development.
- Develop prototypes and showcase functionality to senior management and committees.
- Coordinate and facilitate business requirements gathering sessions, gap analysis, risk assessment and business requirements validation.
- Translate business requirements into technical specifications.
- Create business flow diagrams, functional and technical documents to describe complex business and technical processes.
- Coordinate development and implementation of services.
- Provide business systems maintenance and support
- Architect, prototype and develop systems and its integrations, security models, data models and interfaces.
- Participate in executive management meetings as technical advisor.

**Senior Programmer Analyst / Team Lead****Canada Council for the Arts, Ottawa, ON****Feb 2008 – Feb 2013**

Develop and maintain various multi-tiered web-based and Windows-based applications to facilitate all facets of operations, including interfacing with HR systems, financial systems, grant application web portal (GO! Grants Online, New Funding Model portal), and the Arts Tracking System (ATS). Of our team of 3 programmers, I am the lead web developer.

- Lead Developer, supervising 3 employees plus contractors and students. Provided guidance and established work objectives.
- Project Manager and Lead Developer for new Electronic Leave System (2 year project), in addition to filling all the other roles in the Project Management Lifecycle, including Business Analyst, System Architect, Lead Developer, Supervisor of 2 employees, Quality Assurance, Tester, Technical Writer, Trainer, and Support Specialist.
- Liaise with system stakeholders to gather requirements for change requests and new functionality and negotiate user expectations to achieve realistic deliverables.
- Gather requirements from both non-technical users, as well as technical contributors and translate them into technical specifications for development.
- Worked with project budgets, work breakdown structures and schedule timelines to meet determined goals.
- Participates in Canada Council committees as a technical advisor to achieve long-term projects and initiatives.
- Meet with stakeholders throughout project timelines to foster a trusting relationship with non-technical personnel.
- Plan, develop and maintain multi-tiered web applications and portals using ASP.NET, VB.NET, C#.NET, AJAX, JavaScript, DOM, HTML, SQL, XML while leveraging other communication services, such as web services to communicate to exterior systems and governmental departments.
- Develop Windows-based VB.NET and Unify SQL Windows applications following Canada Council application guidelines.

**Team Leader / Automation Engineer****General Dynamics Canada, Ottawa, ON****Jan 2006 – Jan 2008**

Develop various database-driven web-based applications to automate current business processes. Perform extensive analysis with subject matter experts of current processes and make recommendations on automated improvement, and then develop and implement these recommendations.

- Gather and negotiate customer requirements and translate them into technical specifications.
- Present project budgets and schedule timelines to management and executives.
- Mentor junior engineers and analysts as a technical lead.
- Develop multi-tiered web applications using ASP.NET, VBScript, JavaScript, HTML, SQL, PL/SQL, and XML.
- Interface with Oracle via ClearQuest API.
- Create automated SQL queries and stored procedures interfacing with Oracle databases.
- Mock up prototypes based on user requirements.
- Create technical documentation for all applications developed.
- Awarded "Employee Excellence Award" with cash prize for outstanding work on fully automating all Manufacturing processes via web applications.

**Further Experience and References Available Upon Request**