

Ian Lalonde

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Profile

Software Development professional with over 20 years of experience delivering enterprise applications specializing in the web, database and GIS integrations. Experience includes leading and mentoring team members, developing architecture, design, and requirements.

Certifications

- Certified Scrum Master (CSM)
- Professional Certificate in Leadership (Western Continuing Studies)
- Microsoft Certified Solution Developer (MCSD)
 - Analyzing Requirements and Defining Solution Architecture, Designing and Implementing Distributed Applications and Desktop Applications, Designing and Administering Web Sites
- Network Essentials, NT Workstation, NT Server and, NT Server in the Enterprise Certified towards my MCSE
- CompTIA A+, Network+, and iNet+ Certified

Key Skills and Product Experience

Languages: C#, ASP.Net, .NET Core 2.1, T-SQL, VB, Delphi, HTML, JavaScript, basic C++ and Java

Applications: Visual Studio, Office, Expression, Dreamweaver, Fireworks, ESRI ArcMap, PhotoShop, CorelDRAW.

Operating Systems: DOS, Linux, Windows 2.0-10, NT 4.0, Server 2003-2012

Server Systems: Internet Information Server, SQL Server, AppFabric, Exchange Server, ISA Server, SharePoint, Team Foundation Server, Azure (DevOps, Kubernetes, Virtual Machines), MongoDB, GraphDB

Professional Experience

Vertical Software International Inc., London, Ontario

2016 – Present

Senior Software Developer/Architect

VSI is a software development company delivering web application development services to clients worldwide. The main product is a COTS application that provides case management for multiple Children's Aid organizations across Canada.

- Responsible for the financial module which manages approximately \$20 million dollars per year in financial benefits to families in Newfoundland.
- Provide Team management and Architecture for the re-development of the core product using micro services involving a collection of API's using .NET Core 2.1 and Kubernetes.

Use of Time: 80% Development, 20% Team and Business management

Technical Environment: Visual Studio 2017 (C# and VB), Azure Kubernetes, Mongo Database, Graph Database, MS SQL 2016, Azure DevOps (Git, CI/CD), Jira

Doxim, London, Ontario**2015 – 2016****Senior MVC Software Developer**

Doxim provides software and document management services to an approximate 70% share of institutions in the Canadian credit union market.

- Conversion of the Loan Origination (LOS) application from a Windows form application to a web based SAAS application.
- LOS application uses many modern techniques including MVC, Bootstrap, SignalR, jQuery while protecting user information and integrating many 3rd party service for mortgage, loan insurance and vehicle valuations.

Use of Time: 90% Development, 10% Coaching and Business Support

Technical Environment: VB using Visual Studio 2013, Resharper, MS SQL 2012, Team Foundation Server, SVN

TC Media (Transcontinental Inc.), London, Ontario**2012 – 2015****Senior Software Developer - Product Lead for Web Services, Scrum Master**

TC Media provides content for flyers, catalogues, guides and magazines in a digital format for all screens, computer thru mobile devices.

- SME for the event capture and reporting system, trained the new Toronto Analytic team on our systems.
- Provided enterprise level REST web services using in memory caching with AppFabric and fail over. Add new custom service methods and provide training and integration with multiple 3rd party vendors.
- Created and maintained new and legacy ETL applications using a variety of technologies.
- Liaised with a team of offshore developers.
- Competed in the company wide Innovation Challenge and became one of the six finalist teams completing for the research grant awarded to the final winners.

Use of Time: 80% Development and maintenance, 20% Coaching and Business Support

Technical Environment: C# and VB using Visual Studio 2008-2013, Resharper, MS SQL 2008-2013, Team Foundation Server, SVN, AppFabric, Jira

Buckland Customs Brokers, St. Thomas, Ontario**2011 – 2012****Senior Software Developer and Database Analyst**

Buckland provides brokerage for Canada, US and Mexican borders. During my period of employment we completed a five year project that moved the company systems from an AS400 mainframe to a windows based solution. This involved new databases and many improved workflows to eliminate entry errors.

- Created and maintained EDI applications for connecting to Canada Border Services Agency platforms.
- Created a document management application and associated services to allow for the splitting and merging of PDF, fax and office documents. It also provided a user interface to 'quarterback' 2000+ incoming document per day creating transactions and matching to customers.
- Responsible for database tuning that allowed a five year project be deployed without database performance and locking issues.
- Provided data query and reports from a variety of third party and internal applications.

Use of Time: 80% Development and maintenance, 20% assisting customers and learning their requirements.

Technical Environment: C# and VB using Visual Studio 2008-2008, MS SQL 2008-2012, Git, YouTrack

iLOOKABOUT, London, Ontario**2001 – 2011****Platform and Application Architect, Senior Software Developer**

iLOOKABOUT pioneered technology for the Virtual Tours industry providing easy real estate marketing. iLOOKABOUT also developed a proprietary geo-coded image product (StreetScape) to help customers explore accurate, location based, high resolution visual data. These images give visual context to customers' location queries or location based assets.

- Took the IT portion of the company from a 4 person idea to a public company and beyond.
- Designed the database structure for storing 150 million plus photo collection with their location and time data.
- Led the development of pages and web services for all client-facing StreetScape, Addressing and Virtual Tour platforms. This included;
 - Customer facing UI using asp.NET, C# and JavaScript – in one application the client could click and drag to see photo on either side of a selected point, just like walking up and down the street.
 - The aggregation and quality checks of photos from multiple collection vehicles.
 - Data quality control applications using web services and caching mechanisms to allow offshore QA technicians'
 - Architected the storage infrastructure for 150+ terabytes of image data plus backup with a failure mechanism that allowed uninterrupted client service during maintenance and outages.
 - Developed a reusable application that provided security and authentication for all company applications.
 - Developed reporting and administrative web interface for managing collection and tracking of the StreetScape collection and usage.
 - Architected security mechanisms to allow 3rd party services to seamlessly hand of an authenticated user for unobtrusive client experience.
 - Created the in house e-Commerce application including the shopping cart, pre-purchasing, product credits and 3rd party integration with e-Xact for credit card processing.
 - Provided usage and billing data for the Finance team this involved creating queries, validating results then providing results by web portal, SQL server reporting services or exported datasets.
 - Created a JavaScript image viewer with map integration for viewing photos of a specific location. This involved hand rolling JavaScript with Ajax, newer versions use jQuery for a base JavaScript library.
 - Created a full administration application for the Virtual Tour product line initially using VBscript, and then updated using C# and ASP.NET.
 - Provided administration of the MS SQL server databases, including writing and tuning stored procedure, backup plans, data restoration, and performance tuning and monitoring.
 - Provided project management and task tracking for the start-up company until a project manager was hired in the last year of my tenure.
 - Mentored a team of developers that provided all customer facing and a large portion of the internal applications.
 - Analysis of customer requirements, provide technical documentation and lead a team to develop upgrades and new products.
 - Mentor the team of developers to bring together components built in C#, Delphi, ASP.Net, Silverlight, Flash, Java, JavaScript and VB, providing a multi-faceted service solution. Performed code reviews and used peer -programming to teach and improve coding standards.
 - Provide database solutions that included writing stored procedures, triggers, performance tuning and maintenance. This includes an emphasis on Microsoft Spatial queries and performance.
 - Administration, monitoring and maintenance of the Internet connections, network components and computers.

Use of Time: 50% Development and maintenance, 20% assisting consumers of the product and learning their needs, 20% R&D, 10% Team management

Technical Environment: C# and VB using Visual Studio, Delphi, MS SQL 2008R2, BugNet, SVN

Education and Professional Development

- Leadership Communications at Western Continuing Studies (2015)
 - Building Alliances and Partnerships
 - Leadership Communications
 - Enacting Theories of Leadership: Creating Action from Theory
 - Problem-Solving, Decision-Making and Creativity
 - Emotional Intelligence
 - Effective Leader
 - Strategic Leadership
- Certified Scrum Master Training by Berteig Consulting
- Agile Foundations by Pyxis