

# Peter Bernier, Senior Software Engineer

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## PROFESSIONAL SUMMARY

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As a senior software engineer and team lead with more than twenty years of professional experience developing business applications, my background includes producing positive, repeatable results for startups, small businesses and government organizations. My employers have described me as a key technical resource who shows initiative and leads by example.

- Serverless / Cloud-Native Development on Azure
- .NET / C# / Blazor / GraphQL / gRPC / React
- Azure Services - Storage / SQL Server / Messaging
- Microservices / Docker / AI Services

## EDUCATION / CERTIFICATIONS

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B.A.Sc, Software Engineering (Co-operative Education Program), University of Ottawa (2003)

Microsoft Certified : Azure Developer Associate (2023)

Microsoft Certified : Azure AI Engineer Associate (2023)

Government of Canada, Level II (Secret) Cleared

## TECHNICAL SKILLS

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Software Development: C#, ASP.Net (Web APIs, Blazor), SQL, Azure (many), Docker, Kubernetes, Terraform, Python

Other: Git, Microsoft Visual Studio, Powershell, Azure Dev Ops, Scrum/Kanban

## DEVELOPMENT EXPERIENCE

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### Team Lead - Cloud Services (promoted from Senior Cloud Developer) (Lumeto, Toronto ON (Remote))

September 2021 to Present

- Responsible for ongoing timely development of Lumeto's VR-enabled learning platform
- Configuration and support of multiple production-ready cloud-native services
- Integrations involving numerous Azure services (Azure Functions, Messaging Queues, Azure AI(Cognitive) Services)
- Prototyping and design of new systems and services (including Infrastructure as Code and microservices)
- Code reviews, stakeholder discussions/decision-making, team training/mentorship, interviews/recruiting/onboarding

Key Technologies: .NET, C#, gRPC, GraphQL, Entity Framework, Azure AD/B2C, Microservices, Azure SQL Server, Next.js

### Technical Lead (promoted from Senior Software Engineer) (Cogniva Information Solutions, Gatineau QC (Remote))

November 2019 to September 2021

March 2017 to June 2019

- As a technical lead, oversaw development and enhancement of an application from an initial prototype into a production-ready solution for use with Microsoft 365
- Software development tasks on an enterprise-grade distributed software product
- Research projects and development prototypes using GraphQL, Docker, Kubernetes, Azure
- Implemented reporting functionality in an existing product
- Introduced and implemented automated user acceptance tests
- Participated in daily stand-ups, code reviews, and other software development activities

Key Technologies: .Net Core, .Net Framework, C#, React, Azure Active Directory, Microsoft Graph, Microsoft SQL Server

### Software Developer (Systems Analyst) (Canada Post Corporation, Ottawa ON)

December 2006 to January 2017

- Designed, implemented and delivered multiple machine dashboard systems that were regularly (8+ years) updated based on user feedback and further systems integration requirements
- Software development/maintenance tasks on a mission-critical data management system
- Worked with numerous internal and external project stakeholders to design and deliver plant automation systems

**Software Developer (Systems Analyst) (cont'd)**  
**(Canada Post Corporation, Ottawa ON)**

**December 2006 to January 2017**

- As part of a 3-person 24x7 support team, monitored and maintained critical software systems (servers, data flows)
- Implemented and delivered a very successful pilot dashboard project whose scope was doubled to meet peak season needs based on extremely positive user feedback (and demand) from plant-floor users and supervisors
- Put in place modern change management and knowledge sharing solutions which were then spread to other teams
- Advocated for, introduced and maintained a continuous integration system to ensure continual software quality
- Continually called upon to provide technical knowledge and guidance in decision-making
- Participated in management activities (interviews, hiring, and training for contractors/employees)

Key Technologies: .Net Framework, C#, ASP.Net, Microsoft SQL Server, Stored Procedures, NUnit, Selenium

**Software Developer**

**June 2006 to October 2006**

**(Tamarindo Systems Inc, Ottawa ON)** (Business closed October 2006)

- Software development tasks on a customer relationship management and monitoring tool which aggregated data from six different commercial products and multiple database providers
- Software development tasks on a mission critical call center application that dealt with significant amounts of financial data

Key Technologies: .Net Framework, C#, ASP.Net, ADO.Net, Microsoft SQL Server, Oracle

**Software Engineer**

**April 2004 to June 2006**

**(Provance Technologies Inc., Gatineau QC)**

- Actively participated in all stages of a formal (ISO:9001) Software Development Process
- Software development tasks on an enterprise-grade distributed web application
- Took leadership role in conducting formal load testing and introduced unit-testing as a regular part of development
- Gave numerous team tutorials and training sessions on automated, unit and load testing tools

Key Technologies: .Net Framework, C#, ASP.Net, Microsoft SQL Server, Oracle, Selenium

**Independent Contractor (Highlights)**

**Multiple Contracts from January 2003 to March 2004**

- Software development tasks on an enterprise-grade web application
- Conducted formal load testing on a J2EE application, published load testing reports.
- Developed a custom workflow-based application (C#, ASP.Net, MSSQL)

**Cooperative Education (Highlights)**

**May 2001 to August 2003**

Provance Technologies Inc. (3 terms with increasing responsibility and autonomy)

Government of Canada, Department of Foreign Affairs, Trade and Development (Passport Office) (1 term)

- Software development tasks on an enterprise-grade web application
- Web development work involving HTML3.2/4.01, cross-browser issues
- Developed, modified, and ran black box test scripts, logged change requests

Key Technologies: .Net Framework, C#, ASP.Net, Visual Basic, Microsoft SQL Server, Oracle

**ASSOCIATIONS / VOLUNTEERING**

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**Event/Tournament Organizer - Ottawa-area Miniature Wargaming Community**  
**President – Condominium Board of Directors (C.C.C. #207)**  
**Secretary / Webmaster – Condominium Board of Directors (C.C.C. #207)**

**June 2019 to Present**  
**July 2018 to October 2020**  
**June 2011 to July 2018**