

Bryan McKellar

Senior Senior Full Stack Software Developer

SUMMARY

- 12+ years developing scalable enterprise applications using C#, .NET, Scala, and modern JavaScript frameworks.
- Expertise in building RESTful APIs, microservices, and cloud deployments with AWS and Docker.
- Led LMS platform development, integrating OAuth2 and SAML for secure single sign-on workflows.
- Strong background in database design with SQL Server, PostgreSQL, Oracle, and MySQL.
- Experienced in Agile methodologies, CI/CD pipelines, and mentoring development teams.

TECHNICAL SKILLS

Main Technical Skills	C#, .NET, JavaScript, Scala, PHP
Programming Languages	C#, JavaScript, PHP, Scala
JavaScript Frameworks	Angular, jQuery, Node.js, React, Vue.js
.NET Platform	ASP, ASP.NET, ASP.NET MVC, .NET, .NET Core, Visual Basic .NET
PHP Frameworks	Laravel
Mobile Frameworks and Libraries	OneSignal
Java Frameworks	Play Framework
Scala Frameworks	Play Framework
Databases & Management Systems / ORM	Microsoft SQL Server, MS Access, MySQL, Oracle Database, PostgreSQL, T-SQL
UI Frameworks, Libraries, and Browsers	CSS3, HTML5, jQuery, SAML
Cloud Platforms, Services & Computing	AWS
Methodologies, Paradigms and Patterns	Agile, microservices
Version Control	BitBucket, Git
Deployment, CI/CD & Administration	CI/CD



Virtualization, Containers and Orchestration	Docker
SDK / API and Integrations	OAuth, RESTful API, Stripe
QA, Test Automation, Security	TFS
Other Technical Skills	Fabric.js

WORK EXPERIENCE

Full Stack Developer - B-Online Learning (Multi-tenant Learning Management System (LMS))

Duration: May 2019 – Sep 2025

Summary:

- Development and maintenance of a scalable multi-tenant Learning Management System (LMS) designed to deliver educational content and training programs to multiple clients on a shared platform
- The system supports enterprise single sign-on and is deployed on cloud infrastructure to ensure high availability and performance

Responsibilities:

- Developed backend services and RESTful APIs using Scala and PostgreSQL.
- Contributed to frontend development using JavaScript and modern frameworks.
- Deployed applications using AWS and Docker to improve performance and scalability.
- Troubleshoot and resolved production issues to ensure system reliability.
- Implemented OAuth2 and SAML authentication workflows for enterprise single sign-on.
- Managed CI/CD pipelines with Git, AWS, and Elastic Beanstalk.

Technologies: Scala, PostgreSQL, JavaScript, AWS, Docker, OAuth2, SAML, Git, Elastic Beanstalk

Programmer Analyst - Simcoe County District School Board (Web-based Volunteer Management System)

Duration: Jan 2018 – May 2019

Summary:

- Development of a web-based volunteer management system to streamline volunteer coordination and management for the school district
- The system includes user interfaces for volunteers and administrators and integrates with existing Oracle databases

Responsibilities:

- Developed the system using C# and ASP.NET MVC.
- Designed and maintained Oracle database structures and queries.
- Built UI components using HTML, CSS, JavaScript, and Fabric.js.



- Collaborated with stakeholders to gather requirements and deliver solutions.

Technologies: C#, ASP.NET MVC, Oracle, HTML, CSS, JavaScript, Fabric.js

Lead Programmer - OpenText (formerly Operitel) (Enterprise Learning Management System (LMS) Platform)

Duration: Oct 2009 – May 2017

Summary:

- Led the development and maintenance of an enterprise Learning Management System platform used for delivering training and educational content to corporate clients
- The platform supports integrations with various services and is built for scalability and reliability

Responsibilities:

- Led development and maintenance using C#, ASP.NET, and SQL Server.
- Designed application architecture and implemented core system components.
- Built integrations using REST, SOAP, and XML-based services.
- Managed source control and build processes using TFS.
- Mentored developers and conducted code reviews.
- Facilitated Agile/Scrum processes and supported team delivery.

Technologies: C#, ASP.NET, SQL Server, REST, SOAP, XML, TFS, Agile/Scrum

Programmer Analyst - Odeka Corporation (Financial Applications Migration and Maintenance)

Duration: Sep 2007 – Mar 2009

Summary: Maintained and improved financial applications by migrating legacy desktop systems to modern web applications, enhancing performance and maintainability.

Responsibilities:

- Maintained financial applications built in VB6.
- Migrated legacy desktop systems to VB.NET web applications.
- Improved system performance and maintainability.

Technologies: VB6, VB.NET

Programmer Analyst - HR Systems Strategies (HR and Time-Tracking Applications)

Duration: Jun 2005 – Aug 2007

Summary: Developed and maintained HR and time-tracking applications, delivering both desktop and web-based solutions to support human resources operations.

Responsibilities:

- Developed applications using VB, VB.NET, and ASP.
- Built both desktop and web-based solutions.
- Maintained and enhanced legacy systems.

Technologies: VB, VB.NET, ASP



Board Member & Full Stack Developer - Peterborough Fish and Game Association (Membership and Stripe Integration Applications)

Duration: 2009 – Present

Summary:

- Developed and maintained web and desktop applications for membership management and payment processing integration using Stripe
- Contributed to organizational leadership and mentored junior members

Responsibilities:

- Developed web and desktop applications using PHP, Node.js, React, Angular, Vue, TypeScript, MySQL, and Laravel.
- Mentored junior members.
- Contributed to organizational leadership and operations.

Technologies: PHP, Node.js, React, Angular, Vue, TypeScript, MySQL, Laravel, Stripe

EDUCATION

- **Computer Programming Analyst Diploma**
Sir Sandford Fleming College, Peterborough, ON

CERTIFICATION

- **Government of Canada Security Clearances**
Enhanced Reliability, Secret

