

Full-Stack Software Developer | Web Applications, Cloud, Automation | Professional Scrum Master

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Professional Summary

Over 15 years of progressive experience as a full-stack developer, with very strong DevOps and Cloud expertise. Proven track record of modernizing enterprise infrastructure, delivering working software, mitigating technical debt, and designing robust CI/CD pipelines. Highly adaptable technical leader with consistent success driving cross-functional Agile/Scrum teams. Proficient with a broad diversity of full-stack technologies, but most notably C#.NET, JavaScript/TypeScript, React, and SQL Server.

Professional Experience

Technical Lead, Full-Stack Development

Abrams Software

*Kingston, Ontario, Canada - Remote
August 2025 – Present*

- Train Large Language Models (LLM) in all aspects of development for large clients such as DataAnnotation.tech; evaluate code generation by applying expert code review combined with comprehensive unit testing. Consistently meet high-pressure deadlines. (JavaScript, TypeScript, .NET (C#), Python, React, SQL, REST, Jest, Vitest, Node.js, Next.js)
- Develop specialized chess training software integrated with Lichess.org API to help visualize board control and checkmating patterns. (React.js, TypeScript, OAuth2, REST)
- **Demo:** <https://pabrams.github.io/chess-attack-visualization>

Employment and Social Development, Canada

Gatineau, Quebec, Canada

Lead DevOps Engineer, Infrastructure and Cloud Enablement (BDM Project)

December 2021 – July 2025

- **Enhanced and maintained microservices-architecture** application for onboarding personnel; integrated with enterprise IAM in Azure AD and Azure DevOps mirrored in Entra (C# .NET, Blazor, HTML/CSS, Azure Logic Apps, Azure SQL, APIM, GraphQL).
- **Implemented CI/CD pipelines** in ADO for build, test, and cloud deployments. Supported and advised other teams and team members on how to implement and manage their pipelines. (PowerShell, YAML).
- **Developed custom ADO web extension applications** (TypeScript, React) to meet specialized needs, for example an analytics widget for tracking build and deploy metrics; or a Team Calendar to leverage ADO sprint/iteration data.
- **Administered Azure DevOps Services (ADO) for all teams** in the Benefits Delivery Modernization project; advised on implementation of custom Agile process templates; recommended branching strategies, pull request workflows, code review best practices, cross-project/organization credential management; ensured accessibility compliance aligned with departmental standards (e.g. WCAG).
- **Implemented ITSG-33** (based on NIST) security controls for SA&A submissions against a PBMM security profile.

Development Lead, Testing Services

August 2019 – November 2021

- **Architected Pipeline Integration:** Engineered ADO pipelines for automated testing, provisioning agent machines to execute parallel Selenium UI tests and seamlessly integrating logged test results back into ADO.
- **Designed Internal QA Tools:** Co-architected an internal web application enabling QA staff to author structured test scenarios via a web UI; designed the database schema and developed the C# code bridging the application with ADO. Integrated tools with departmental headless CMS platform.
- **Modernized Performance Tooling:** Championed the departmental transition from LoadRunner to JMeter, significantly reducing licensing costs while maintaining robust performance testing capabilities.

Department of Immigration, Refugees, and Citizenship, Canada

April 2018 – August 2019

Ottawa, Ontario, Canada

Team Lead / Technical Lead

- Directed daily stand-ups and poker planning estimation sessions. Pioneered capacity planning and forecasting methodologies using Azure DevOps Server (TFS) to establish best practices for broader departmental adoption.
- **Mentored Testing & Development Teams:** Provided ongoing mentorship to full-stack developers in SSRS, T-SQL, C#.NET, and automated testing.
- **Administered & Extended ADO/TFS Infrastructure:** Managed departmental TFS instances and maintained heavily customized Agile, Scrum, and CMMI process templates. Built custom web extensions using React.js, Node.js, TypeScript/JavaScript, and C#.

Department of Justice, Canada

January 2016 – March 2018

Ottawa, Ontario, Canada

Development Lead

- Led the enhancement and maintenance of the departmental case management system, a high availability web application serving all of the departments legal personnel – thousands of accounts and hundreds of daily users across the Country (ASP.Net, C#, SQL, JavaScript, HTML, CSS).
- **Mentored junior developers** and maximized Agile tracking efficiency by directly integrating code review processes with TFS work items.
- **Engineered MS Dynamics CRM plug-ins**, custom actions, and processes, and successfully migrated legacy SQL stored procedures to the new CRM environment using C# and LINQ.

Department of Citizenship and Immigration, Canada

April 2014 - December 2015

Ottawa, Ontario, Canada

Senior DevOps & ALM Engineer

Served as a centralized technical authority for the department's development ecosystem, administering Team Foundation Server (TFS) for the flagship GCMS application and providing tooling expertise to multiple distributed teams.

- **Transitioned the department** from manual, UI-based release procedures to **fully automated Continuous Integration/Continuous Deployment** workflows, significantly reducing deployment times and human error.

- **Developed and enhanced web extensions** using Node.js and React, adding features like Outlook integration and configurable visualizations while solving complex backward compatibility issues for Internet Explorer 8.
- **Slashed technical debt** by decommissioning over-engineered, legacy C# desktop applications used for release management, replacing them with lightweight, automated PowerShell scripts that used the TFS Client APIs.
- **Provided expert advice** on software engineering best practices for multiple development teams across full agile and waterfall SDLC, including coding standards, code review, source control integration, PR workflows, automated build, and testing processes.
- **Guided development teams** in migrating from legacy XAML builds to modern, scriptable build definitions, **improving build reliability and maintainability across the organization.**

Department of Justice, Canada

October 2006 – March 2014

Ottawa, Ontario, Canada

Core contributor to the department's flagship Legal Case Management System, a distributed enterprise application used by 5,000+ lawyers and agents to manage sensitive case files, timekeeping, and billing across Canada.

Full-Stack .NET Developer (2010-2014)

- **Modernized the Legal Case Management System (CMS)** by designing a widget-based interface using Knockout.js and ASP.NET, allowing users to personalize their workspace and reducing server load by eliminating full-page postbacks.
- Diagnosed a core **COM Interop memory leak** across 11 servers and implemented an **automated health monitoring suite**, transforming a high-profile outage issue into a managed, proactively monitored process.
- **Refactored complex stored procedures** for the **Timekeeping and Billing/Cost Recovery** modules, resolving critical bottlenecks and ensuring accurate financial data processing for the department.
- **Migrated core business** modules from VB.NET to C# and upgraded the reporting engine from Crystal Reports to SSRS, **ensuring the longevity of the mission-critical CMS.**

Software Development Engineer in Test (2006-2009)

- **Identified a critical testing bottleneck and voluntarily architected** a custom Java-based framework in IBM Rational Functional Tester (RFT) that parsed English-language scenario documents and **auto-generated executable test scripts.**
- **Led a cross-functional team** to implement this solution, replacing manual 'all-hands' regression testing and **reducing release validation time by 98%** (from 80 person-weeks to 5 person-days).
- Eliminated the need for a 2-week code freeze per release, **saving the department an estimated \$160,000 per cycle** in engineering hours.

Education

Bachelor of Computer Science

Carleton University

September 1999 - May 2003

[Certified Professional Scrum Master](#)