

Senior Full Stack Software Developer

Adam Cox

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Summary

Overall 25 years experience as systems design & analyst and software development. Experienced with trending methods, practices, and technologies. Results focused leader with competency in communicating a clear path to results.

Skills / Technical

Architecture & Patterns:	REST, DDD, MVC, MVVM, SOA, ORM, reactive UIs
Full Stack Development:	.NET Core (3.x–8), C#, Angular, React, Vue, EF Core, RxJS
Databases:	MSSQL, Postgres, Oracle, DB2, SAP, MongoDB, CosmosDB
Cloud & DevOps:	Azure (Blob, EventGrid, AppService, Functions), Docker, CI/CD, Azure DevOps
Integration & Automation:	Kafka, MSAL, OAuth2, PowerShell, FileHelpers, Dapper

Soft skills: Clear, high-context communicator with strong ownership and focus. Skilled at aligning teams and stakeholders to deliver accurate, timely, and excellent results.

Professional Experience

Consulting Software Specialist

Mar 2024 – present

Digital Design & Delivery / 3D (Government of Alberta / GoA)

- Work with the DMX team of 8 as a full-stack developer responsible for delivering the enterprise product named Digital Meeting Experience (DMX) with focus on front-end Angular 14+. Knowledge of structured, object oriented principles, reactive (i.e. RxJS & “declarative”) style and template-driven component development, directives, git, Azure DevOps, and agile/scrum workflows with a focus on reactive CSS for mobile-first presentation of reactive component presentations via template-driven design.
- Report into daily scrum meetings, groom stories in the Az DevOps via iterative discussion and documentation.
- Contribute extensive experience in the area of working along the SDLC and Agile practices while being an adaptable team player who balances priorities to deliver quality work that meets team standards.

Consulting Software Specialist

Mar 2023 – Jan 2024

Treasury Board Secretariat (Government of Ontario)

- Contributed to front-end development using Angular 14–18, applying reactive and declarative patterns (RxJS), template-driven components, directives, and structured TypeScript practices in an Agile/Scrum environment with Azure DevOps.
- Took ownership of complex UI components, refactored reusable elements like custom pagers, and wrote unit tests using Karma to improve reliability and maintainability.
- Introduced performance improvements using pipes and directives, and advocated for API client generation via Swagger Codegen to reduce boilerplate and improve consistency.

Consulting Software Specialist

Sep 2020 – Dec 2022

Ceridian, Toronto, Canada

- **Led the modernization of a legacy tax remittance system**, transitioning a 20-year-old VB6 platform to .NET Core 3.1, enabling high-volume EDI submissions to banks. Delivered high-quality, test-driven code with >80% coverage, using libraries like FileHelper and LINQ to transform complex data sets into EDI and XML formats.
- **Architected core data transformation pipelines** supporting Ceridian's Dayforce Wallet, integrating ingestion from Kafka (JSON) and output to EventGrid, FTP, and EDI. Validated structured outputs via XSL schema, ensuring back-office tax systems remained accurate and compliant.
- **Championed disciplined engineering practices**, adopting Domain-Driven Design, managing EF Core migrations via CLI, and mentoring teammates on building supportable microservice-aligned solutions. Drove UAT success with minimal regression by modeling communication, focus, and technical ownership.

Full Stack Web Developer

Sep 2020 – Sep 2021

Ethoca (acquired by Mastercard)

- Working with the Enterprise Data Management team to deliver interfaces against large data sets.
- Responsible for developing full-stack web application (SAP HANA + XSA + Express + Vue)
- Responsible for defining, documenting, and guiding team SCM standards (Git-flow via GitLab)

Lead Developer – Wallet Integration & Tax Systems Modernization

Jul 2020 – Sep 2020

Ceridian-Dayforce

- Served as a primary resource integrating Dayforce Wallet with Ceridian's back-office tax systems, leading modernization efforts from legacy VB6/SQL10 to .NET Core 3.x with EF Core and SQL Server 2012.
- Delivered high-quality, test-driven code in an Agile/Scrum team, mentoring developers and stakeholders throughout the

transition.

- Implemented secure authentication flows using Microsoft Identity Web and MSAL, supporting OpenID Connect and OAuth2 across domains with DFID-issued tokens and proper claim validation at both client and API layers.

Full Stack Developer – Music Royalties & Mobile Product Delivery

Sep 2018 – Jun 2020

ACTRA National, Canada

- Led delivery of a mobile product for performer registration, OAuth2 auth, and payments, using Azure (App Services, CosmosDB, Blob), Ionic, Node.js, and MSSQL in a 6-person cross-functional team.
- Modernized legacy royalty systems by moving from ASP.NET + WCF to .NET Core + EF Core + React; introduced Kafka for distributed messaging and Docker for deployment.
- Delivered a long-blocked revenue-sharing feature for Classical musicians, and contributed to web portals using Ant Design Pro, React, and Material UI.

Full-Stack Developer – Insurance Web Application (Hybrid)

Apr 2018 – Jun 2018

GGHS (Generali), Canada

- Delivered a hybrid web application using Angular 5, ASP.NET Core 2.0 (C#), and MSSQL in an 8-person team, showcasing full-stack expertise for an insurance industry client.
- Built a world-class proof-of-concept UI with Angular Material, deploying via IIS and Azure, and managing configurations across environments.
- Maintained workflows and documentation using VSTS, SharePoint, and Git; developed in Visual Studio 2017, VS Code, and SQL Management Studio.

Senior Developer – Angular & .NET

Oct 2017 – Feb 2018

BMO, Canada

- Built modular UIs with Angular Material 2+, SASS, RxJS, leading front-end efforts in a 12-person Agile team.
- Collaborated on .NET Core APIs and EF data access, and prototyped data-lake analytics using MEAN stack.
- Mentored teammates and authored onboarding docs to streamline dev, using Jira, Bitbucket, and Confluence.

Full-Stack Developer – eCommerce & Healthcare Analytics

Feb 2017 – Sep 2017

GE, Canada

- Integrated BigCommerce API with GE's product catalog, enabling eCommerce and shopping cart functionality in a 7-person cross-functional team.
- Built MEAN stack dashboards to visualize healthcare data across hospitals, supporting MRI usage analysis and reporting.
- Developed .NET Core WebAPIs with EF and PostgreSQL/MSSQL backends, and authored a custom Domo connector to ingest external RESTful data into GE's BI environment.

Lead Developer

Jun 2016 – Dec 2016

DAC Group, Toronto

- **Led development of a cloud-native marketing analytics product** using ASP.NET MVC, Angular 2, and modern JavaScript tooling (Node, npm, Bower), deployed to Azure via CI/CD pipelines built in Azure DevOps (VSO). Architected APIs and client integrations with platforms like Mandrill, Mailchimp, and Facebook.
- **Owned delivery pipelines and environments**, building and maintaining automated build/release definitions for development, testing, and production environments on Azure. Managed service configurations, cloud infrastructure, and ensured scalable, high-availability deployment practices.
- **Mentored a cross-functional Agile team**, driving delivery excellence by teaching Microsoft toolchains (Visual Studio, Git, Azure DevOps), promoting disciplined engineering practices, and removing blockers through proactive communication, technical leadership, and thoughtful prioritization.

Software Developer

Aug 2015 – May 2016

Lumira Capital, Toronto

- Consult with Principal stakeholder to migrate and enhance “world class” capital market portfolio management web application software, and migrate ASP.NET Web Application work from VS 2003 to VS 2013, upgrade tools and libraries (i.e. Telerik KendoUI) to latest versions
- Worked with HTML and CSS as required to enhance ASP.NET Web app, and SQL Server backend
- Enhance procedural architectures to modern OOP principles

Senior Software Developer

Mar 1996 – Aug 2015

Toronto, Canada: Thales Canada, Pure Bookkeeping, CIBC, Fresenius, CanDeal, IBM, Travelers Insurance, Machus Corp, RMI Physician Services (Houston, TX), Chevron (Houston TX), Government of Ontario (North Bay), Dell Computers (Austin), Changepoint Corp. (Toronto), Zenox / Telmetrics (fka DCCI) ~ details upon request.

Education

Computer Engineering, Humber College, Toronto, 1997