

Full-Stack Software Engineer

Diligent Full-stack Software Developer with 15+ years of proven success in entire SDLC, intuitive front-end designing, and developing great UI/UX for websites, desktop, and mobile applications. Technology enthusiast with in-depth knowledge of latest software development technologies. Expertise in creating amazing enterprise applications to address diverse business requirements. Able to provide functional, beautiful, and user-friendly technology and design solutions. Proficient in increasing applications accessibility and appearance by adding responsive, intuitive, and easy to use features and functionalities. Highly skilled at consulting, problem-solving, and addressing client needs.

Technical Proficiencies

.NET, C#, XAML, T-SQL, WPF, Azure, Silverlight, Angular, MVVM, ASP.NET, MVC, Microsoft Visual Studio, Windows Workflow Foundation, WCF, Web Services, RESTful API, RIA Services, WinForms, WebForms, Entity Framework, ORM, NHibernate, jQuery, JSON, AJAX, HTML, CSS, JS, Microsoft Virtual Earth, Google Earth, C/C++, PL SQL, DTS, ADO.NET, IIS, VB.NET, VB6, UML, Visio, SharePoint, XML, SOAP, WSDL, Win32, ATL, MFC, VBScript, JavaScript, COM/DCOM, COM+, MTS, HTML, DHTML, SOA, OOP, ODBC, Oracle, MS Access, MS SQL, SSMS, SSRS, SSIS, PowerShell, Crystal Reports, MS Office Automation, UWP, Visual Source Safe (VSS), TFS, SVN, JIRA, Bitbucket, Windows Service, SQLite, MongoDB, Confluence, Git, GitHub.

Projects & Consulting Experience

CI Financial, Toronto, Ontario Full-stack Developer

2021 – Present

Oversee, design, and develop new applications while modifying the existing ones. Design team's productivity enhancing tools. Implement several desktop applications and assist in fixing of bugs on local enterprise back-end applications. Utilize .NET Framework, Java, MS SQL stack for new software development.

- Expertly utilized .NET 6.0 (XAML, C#)/ MS SQL stack for designing and implementing green-field desktop applications.
- Initiated automation of local code repository using Azure through fully automated CI CD pipeline.
- Improved team productivity through tactical support apps by using social smarts from OpenAI with real-time log monitor and MS Teams bot.
- Technology stack used: WPF/XAML, .NET 6.0, C#, Java, MS SQL technology stacks.

Multiple Employers, Toronto, Ontario Full-stack Developer

2019 – 2020

Managed multiple large applications from front-to-back with great precision. Augmented, designed, developed, and implemented existing and new applications for multiple companies such as – Iress, AAVpro, and RBC.

- **Iress:** Maintained existing application, designed augmentations, and fixed bugs with complete precision for company's flagship application and professional trading platform – Iress Pro.
 - Successfully implemented headless backend and rich-UI apps to streamline data flow between Iress and external clients.
 - Technology stack used: React, .NET Core, .NET 5.0, WPF, WCP, C#, MS SQL, GitHub, HTML, CSS, JS, TS.
- **AAVpro Ltd:** Provided full scope of web development services such as – architecture, design, implementation, and publishing to Azure web application www.alexPi.ca. Incorporated various distinctive features to developed website.
 - Developed Angular front end with custom theming and animated transitions.
 - Implemented RESTful web services as layer on Azure SQL Database for website tracking; added automated Azure CI/CD pipeline and deployed every merge-in to main branch of repository.
 - Utilized Azure's Computer vision services to build OCR POC www.alexPi.ca/#/ocrpoc.
- **RBC:** Implemented preliminary designs and front-to-back functionality using Angular 7 and .NET Core for MoveSnap.com application – Version 2.0. Added new features and extensions such as components, modules, services, types, templates, and styles to existing pages. Incorporated tables and columns to underlying PostgreSQL database.

- Enhanced backend functionality of MoveSnap.com by designing and adding CRUD end points. Maintained, fixed bugs, and designed augmentations of app.
- Revamped landing page to add new branding assets and dynamic layout for app's desktop and mobile versions.
- Technology stack used: Angular 7, ASP.NET Core, C#, MVC, RESTful API, PostgreSQL, GitHub, CSS, HTML, JS, TS.

Nymi, Toronto, Ontario
Full-stack Developer

2016 – 2019

Supervised C# .NET app development for Windows. Fixed critical client-facing apps with battleship grey complacency issue by championing Windows-10 UI/UX best practices. Efficiently introduced cross-platform communication schemes.

- Prototyped, implemented, and initiated development of various apps for website, desktop, and mobile as well as user-facing functionalities services for always-on-authentication devices.
- Technology stack used: .NET, ASP.NET, C#, XAML, MVVM, UWP, MVC, RESTful API, Angular 6, PWA, GIT, SSMS, MS SQL, HTML, CSS, JS, TS.

Sciex, Toronto, Ontario
Front-end Developer

2016 – 2016

Maintained, fixed, and evolved company's flagship WPF application used for mass spectroscopy research. Secured coding undertakings with detailed unit and UI automation tests.

- Developed custom FIT (Framework for Integrated Testing) fixtures that enable UI automation HTML scripts to manipulate custom controls of the applications being tested.
- Improved local QA team's performance with help of various small and useful applications.
- Technology stack used: .NET, C#, WPF, XAML, MVVM, WCF, VS2015, SQLite, MongoDB, SVN, JIRA, TeamCity, FIT White.

BMO, Toronto, Ontario
Full-stack Developer

2014 – 2015

Designed apps for different business tasks around OLP project, including user datalink console and multi-stream data acquisition (DAQ) tool with visual and intuitive front. Contributed to development of code, ideas, designs, extensions, and behaviors of [EPCatalyst](#) - Silverlight-based platform widely used at the bank.

- Acted as dev-lead for green-field project to design and implement rich client and web applications around OLP project.
- Applied DNA sequencing algorithms to cause 85% reduction in manual tasks.
- Used WCF REST service layer to meet OLP project's distributed applications needs.
- Enhanced cross departmental workflow approval process through web app for quick processing of To-do lists.
- Designed custom reporting system for indicating daily DAQ runs through email and web-client pathways.
- Technology stack used: .NET, C#, WPF, MVVM, MVC, ASP.NET, JSON, HTML, CSS, JS, Silverlight, VS2015, SSMS, T-SQL, MS SQL, Oracle, Entity Framework, ADO.NET, Windows Service, Agile Methodology, SVN, TFS.

Multiple Employers, Toronto, Ontario
Full-stack Developer

2013 – 2013

Designed various useful and sophisticated tools, apps, reports, and extensions. Enabled technology advancements of existing processes. Revamped existing architecture and improved UI/UX of different applications.

- **mobileLIVE:** Led designing and implementation of Microsoft Lync messenger extension. Created responsive UI/UX based on Task Parallel Library constructs as well as async and await keywords.
 - Coded C# API layer to the unmatched C++ assembly.
 - Enabled smooth transitions, added animations to app's UI, embedded graphic assets for product's brand representation.
 - Increased fidelity and coding speed for MVVM design pattern by using Visual Studio code snippets.
 - Technology stack used: VS2012, .NET 4.5, C#, C++, WPF, MVVM, LINQ, Agile Methodology.
- **Livingston International:** Designed rich client application with latest WPF/WCF/ MVVM technologies and frameworks.
 - Significantly enhanced UI templates by minimizing end users' efforts in app usage.

- Streamlined tedious and multi-step business processes into single-page, clean designs with smooth transitions and rich tooltips.
- Reduced time taken in the development of existing data access layer and streamlined data flow to/from backend databases while keeping the application architecture intact.
- Cleared design imperfections from MS SQL databases.
- Developed in-house custom tools and sophisticated reports by using Microsoft SSRS.
- Designed Event Subscription Management system to transform complex entities into single page design.
- Technology stack used: .NET, C#, MS SQL, SSMS, T-SQL, WPF, MVVM, LINQ, Entity Framework, Agile Methodology.

Multiple Employers, Toronto, Ontario
Full-stack Developer

2011 – 2012

Completed high-value, plug-in architecture project for Citi. Designed and implemented sophisticated applications for Global Financial company. Tasked with infrastructure development, UX/UI improvements, and prototype development for different business platforms.

- **Citi:** Collaborated with intercontinental team to work on high-throughput trading platform based on MVVM design with highly configurable plug-in architecture.
 - Implemented real-time reporting system for sub-second delivery and highlighted different parameters of trading analytics data torrents through alerts, custom filtering, and data driven triggers.
 - Maintained responsive and alive UI/UX by engaging Task Parallel Library.
 - Corrected idiosyncrasies related to third-party components that were irrevocably integrated into application.
 - Provided highly tailored infrastructure configuration with reflection-based type instantiation and clever defaults based on end-user preferences and delivered best user experience.
 - Technology stack used: .NET, C#, WPF, MVVM, LINQ, Entity Framework, SVN, Infragistics, and Agile Methodologies.
- **Global Financial:** Designed various LOB applications, including Electronic RESP Enroller and Mobile RESP Calculator.
 - Created new task tracking tool for project lifecycle management, progress tracking with multi-tasking component, and new UI for executives to view overall project health in one glance with real-time delivery date forecasting feature.
 - Replaced paper-based enrollment process by developing Electronic RESP Enroller for quick and accurate registration of new applicants.
 - Facilitated multi culture support for globalization of MVC applications. Introduced new tool for automating translation of UI to selected language by use of Microsoft Translator API. Added automated feature for manual error correction by non-developer language experts.
 - Developed Mobile RESP with touch functionality to give right financial strategy and quick navigation through complex rules and regulations for achieving ultimate business goals.
 - Designed new corporate screen saver equipped with several features such as corporate counters, unread email notifications, optional local traffic, and weather gadgets.
 - Technology stack used: VS2010, .NET 4.0, C#, VB.NET, WPF, Silverlight, WCF, ASP.NET, MVC, HTML5, JavaScript, jQuery, HTML, CSS, JS, MS Access, T-SQL, SSMS, LINQ to SQL, Entity Framework, AJAX, TFS.

Toromont, Toronto, Ontario
Full-stack Developer

2010 – 2011

Improved vast code base of existing corporate applications such as classic ASP and latest advances in dev technologies as well as reinforced with hardcore T-SQL and third-party components. Automated client's local time tracking system by implementing quick entry in application.

- Saved daily 10 man-hours for the entire team by revamping tedious time tracking system and turning it into fun activity that accomplished significant data latency reduction.
- Prepared sophisticated reports with help of Microsoft SSRS.
- Extended intricate and complex classic ASP's codebase, latest ASP.NET applications, and enormous T-SQL scripts with complete precision.
- Advanced existing applications by porting classic ASP apps into ASP.NET 4.0 web form and Silverlight apps.
- Technology stack used: VS2010, .NET 4.0, C#, WPF, WCF, Silverlight, RIA, ASP.NET, ASP, jQuery, HTML, CSS, JS, SSRS, SSMS, T-SQL, LINQ to SQL, Entity Framework, AJAX, TFS.

CWB Group, Toronto, Ontario
Full-stack Developer

2009 – 2010

Implemented front-end (WPF) for client's application. Maintained and fixed backend SQL server databases. Assisted digital transformation by shifting legacy apps to latest platforms. Allowed applications to de-freeze during long SQL queries and server calls by using early Beta bits of TPL.

- Softened current and future codebase impact by implementing numerous unit tests for corporate applications.
- Technology stack used: VS2010, .NET 4.0, C#, WPF, XML, MS Access, T-SQL, SSMS, Citrix, TFS.

Additional Experiences

Consultant, Green Shield Canada, Canada
Full-stack Developer, Toromont, Canada
Full-stack Developer, Systemgroup Consulting, Canada
Full-stack Developer, Direct Energy, Canada
Full-stack Developer, Magna International, Canada
Full-stack Developer, Thoughtcorp, Canada
Full-stack Developer, Arbor, Canada
Full-stack Developer, BMO, Canada
Full-stack Developer, CSG, Canada
Full-stack Developer, Cetaris, Canada
Director | Mobile Developer, AAVpro Ltd., Canada
Head of IT, UkrAlko, Kiev, Ukraine
Staff Scientist, Kiev, Ukraine

Education

Master of Science in Quantum Radio-Physics and Electronics
Taras Shevchenko National University of Kyiv, Ukraine

Professional Training

Microsoft Certified Professional (MCPS) – Microsoft Official Curriculum Courses
Microsoft Certified Solution Developer (MCSD), Visual C++ and Server Tracks – Microsoft Official Curriculum Courses