

ERIC SINGH

Senior Software Developer | EricSingh.com

PROFESSIONAL EXPERIENCE

Senior Software Developer	BioConnect – Toronto, ON	2017 to Present
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- Senior developer part of a small agile development team (4-6 people)
- Lead the architecture and development of a .NET Core REST API to allow client integration into the biometric management system
- Built data warehouse reporting system using .NET Core API and Entity Framework Core
- Designed and implemented a data insights system in AWS using .NET and PostgreSQL
- Maintaining SQL database using RDBMS knowledge. Triggers, SPROCS, Indexes, and Constraints
- Creating SQL scripts used to transfer data between databases with different schemas
- Refactored codebase into a maintainable modular solution and implemented enforceable coding standards to assist the development team in building long term sustainable code
- Increased performance by refactoring synchronous legacy code to use the TPL framework
- Experience with asynchronous communication between .NET microservices using RabbitMQ
- Utilized native interoperability to integrate with C++ libraries, for hardware communication
- Closed potential security gaps in inter-service WCF communication with transport level security (X.509 certificates) and message level security (Windows or UserName)
- Increased test coverage of solution from 100 to over 1000 unit tests using MSTest and Moq
- Provide architectural leadership, direction, and oversight to the development team
- Implementing and improving processes to help streamline development
- Collaborating with the product team to get requirements into the Software Development Lifecycle
- Mentor junior developers, conduct code and design reviews
- Built strong work relationships – travelled internationally with co-workers on non work-related trips

Software Developer	PEER Group – Kitchener, ON	2012 to 2017
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- Software developer responsible for driving solution design and development.
- 5+ international trips to integrate completed solutions at customer sites. Exceptional onsite performance earning great customer satisfaction, loyalty and increased business.
- Carried 24/7 support phone; provided service for mission critical software operating in North American fabrication plants and timely issue resolution for customers.
- Collaborated with the customers throughout the SDLC. Participated in project planning and meeting with customers for requirements gathering. Authored software documentation and conducting requirement analysis.
- Developed innovative factory automation C# software solutions for high-volume manufacturing.
- Contributed extensively to the development of a modular, robust, maintainable framework that is used across a line of custom automation solutions.

TECHNICAL PROFILE

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- **Languages and tech:** C# .NET, .NET Core, SQL, SQL Server, PostgreSQL, XML, JSON, EF Core, RabbitMQ, PowerShell, WCF, WPF, LINQ
 - **Familiar:** TypeScript, JS, HTML, CSS, Windows Installer XML (WiX)
 - **Tools:** Visual Studio, Git, GitLab, Advanced Installer, MS SQL Server, TeamCity, Team Foundation Server (TFS), AWS, JIRA

EDUCATION

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| · BSc: Computing & Computer Electronics, Minor in Geography | 2012 |
| · Wilfrid Laurier University – Waterloo, Ontario. | GPA: 3.5 |
| · Advanced Diploma: Electronics Engineering Technology – Telecommunications | 2009 |
| · Conestoga College – Kitchener, Ontario. | GPA: 3.5 |