Dominic Trottier

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Innovative Software Developer offering 4 years experience developing software across all stages of the software development lifecycle — from deriving user requirements to long term product support of performant, user-friendly applications.

Capable of creating pragmatic software solutions that balance the need for fulfilling user requirements, meeting product delivery deadlines, and producing high quality, well tested code.

Known for excellent troubleshooting skills — able to analyze code to find defects and optimizations, while considering their impact across entire software systems.

Tools and Technologies

Java, C#, Kotlin, Python, C++, JavaScript, F#, Android, PostgreSQL, MongoDB, T-SQL, WinForms, .NET, ASP .NET Core, JUnit, NUnit, XML, Git, gRPC, protobuf, REST, JWT, HTML/CSS, Gradle, JavaFX, Jetty, Netty, WPF, ReactiveX

Work Experience

Intermediate Software Developer   May 2017 – Present
SED Systems, Edmonton, AB

- Designed software solutions based on customer requirements and led a team through implementing and delivering finished products.
- Played an active role in the design and development of a high-performance satellite monitoring system.
- Provided customer support in the form of software deployments, troubleshooting, bug fixes, and assistance with software configuration.
- Participated in system test activities, including unit testing, automated integration tests, manual tests, and test documentation.

Junior Computer Engineering Student   May 2016 – December 2016
Xanantec Technologies, Edmonton, AB

- Maintained existing .NET database-oriented applications and provided direct support to users
- Created software using .NET to interface with embedded controllers and PLCs
- Developed embedded motor controller software and custom bootloader to meet size requirement
- Implemented testing framework to increase code reliability
- Participated in client meetings to develop requirements
- Wrote and reviewed software documentation

Cyber Security Co-op   January 2015 – August 2015

General Dynamics Canada, Calgary, AB

- Derived and documented user requirements based on use cases and user feedback
- Designed and developed a GUI based program to interact with complex databases and provided custom utilities for filtering and displaying entries
- Created a program to manage the deployment and transfer of windows updates using Windows Server Update Services along with the transfer of large amounts of metadata
- Implemented robust data persistence in multiple programs
- Presented programs to clients and provided full user documentation
- Participated in a several peer reviews for documentation, as both the author and the reviewer

Education

BSc. In Computer Engineering   September 2012 – April 2017

University of Alberta

- Graduated with distinction
- GPA: 3.5