




SAMI ELKHAYRI

Data Engineer

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<https://selkhayri.github.io>

Summary

A Data Professional with Extensive Experience in Software Engineering.

Skills

Software Development
Operating Systems

SQL, Python, R, Java, Visual Studio, JavaScript, CSS
Windows, Linux, Mac

Employment

IT Developer II

295 Dundas St.,
London, Ontario
2017 to 2019

TD Canada Trust

- Created SQL scripts to generate usage reports
- Created Confluence documentation to capture troubleshooting steps
- Mentored co-op students
- Developed a Java-based report generator
- Supported the deployment of web services

Senior Software Developer

1074 Dearness Drive,
London, Ontario
2009 to 2016

Finastra (formerly Davis & Henderson)

- Developed web services using the IBM Datapower ESB.
- Maintain and made minor changes and updates to the legacy products
- Developed various applications such as fat clients and websites using the following languages: Java (Servlet/JSP), Visual Basic, ASP, ASP.NET
- Kept current with and applied new technologies such as XSLT and IBM's Datapower ESB to my work which allowed old and obsolete hardware to be decommissioned
- Supported the succession planning effort by hosting periodic knowledge transfer sessions which enabled others to support my products if necessary
- Uploaded source code which was stored on remote server to Subversion which made code changes more trackable and reversible
- Improved the design and functionality of web applications by removing unnecessary functions that served no real purpose
- Gathered all the connectivity documentation which was scattered over several systems such as Microsoft Sharepoint and wiki and uploaded them to Subversion for quicker access and better version control
- Ensured that I was always reachable during vacations, ensuring that customer service level agreements (SLA's) were never violated.

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Awards

Learning Tree International · Certificate of Achievement	2015
Professional Development - Web Development with HTML5 and Responsive Web Design	
Carnegie Mellon University - Software Architecture Professional Certificate	2013
Software Architect	

Education

Computer Science - Western University
Engineering Science - Western University

Projects

Belly Button Diversity	An interactive dashboard to display the belly button bacteria information, both textually and graphically, of an individual who is selected from a drop-down.
Determining Credit Risk	Several supervised machine learning models are used to assess credit risk.
Retirement Planning	An analysis of retirement planning measures to mitigate the risks of the impending retirement of thousands of employees.
COVID – WHAT?	A machine learning project aimed at determining which government policies resulted in fewer per-capita total cases and deaths from COVID-19.