



# SAMI ELKHAYRI

## Data Engineer

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 <https://github.com/selkhayri>

 <https://selkhayri.github.io>

## Summary

A Data Professional with Extensive Experience in Software Engineering.

## Skills

Software Development

SQL, Python, R, Java, Visual Studio, JavaScript, CSS

Operating Systems

Windows, Linux, Mac

## Employment

IT Developer II

TD Canada Trust

295 Dundas St.,

London, Ontario

2017 to 2019

- 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

Finastra (formerly Davis & Henderson)

1074 Dearness Drive,

London, Ontario

2009 to 2016

- 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.

## 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

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### Education

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Computer Science - Western University

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Engineering Science - Western University

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### Capstones

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Investing Decisions with Big Data

Predicting the price change of a given stock given the previous day's closing price, the current day's opening price, and volume of trade.

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Predicting Occupancy using Ambient Conditions

Determine the occupancy of a interior space given the prevailing ambient conditions, such as temperature, humidity, lighting, and carbon dioxide levels.

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Investing Decisions with Big Data (NLP)

Similar to the first capstone, but additionally using NLP on current news articles related to the stock.

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COVID – WHAT?

Determine the best government measures that would lead to stemming the spread of COVID-19.

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