

# James Spears Development Lead - Commercial Banking - BMO

## INFO

### Location

Toronto, ON  
(416) 827-3687

### Links

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- [GitHub](#) - Fork this resume
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## INTRO

### About Me

Development Lead at BMO (OLBB) creating impactful products that power great customer experiences. Passionate about learning new tech and keeping up on the latest trends in web development.

## EDUCATION

University of Waterloo, Waterloo, ON  
Bachelor of Science, General Science,  
commencement Fall 2018

Durham College, Oshawa, ON  
Advanced Diploma, Electromechanical Engineering Technologist,  
commencement Fall 2011

## EXPERIENCE

### BMO Financial Group

BMO Financial Group operates the 8<sup>th</sup> largest bank in North America. BMO is a highly diversified financial services provider to over 12 million customers.

Development Lead - [BMO Financial Group \(OLBB\)](#), Toronto, ON Jan 2022 - Present

- Architect, develop, and maintain frontend UI applications, their backend APIs, and associated libraries
  - Tech lead on product wide Angular Upgrade project, upgrading 30+ UI application from legacy versions
  - Tech lead on OLBB Getting Started Hub learning content delivery platform
  - Tech lead on implementation of reddot award winning Lexicon design system and component library
- Team building and mentoring junior developers

### WebsiteBox

WebsiteBox is a later stage SaaS startup offering website hosting and WYSIWYG website design to real estate agents and brokers.

Node.js Developer - [WebsiteBox](#), Toronto, ON Feb 2021 - Dec 2021

- Developed and maintained Angular & AngularJS front end applications and supporting express microservices
- Worked extensively with the Stripe API and contributed to the migration from a legacy billing platform

- Experience working with Elasticsearch, Apache Cassandra, and MySQL (MariaDB)

## FliteX

FliteX is an early stage startup aiming to be a major disruptor of the airline business. Offering flight route optimization via a SaaS model.

Full Stack Developer - [FliteX](#), Oshawa, ON March 2020 - June 2020

- Prototyped a map based SPA used for flight route optimization
- Ported MATLAB to Python (numpy, scipy)

## Wysdom AI

Wysdom AI is a later stage startup and artificial intelligence company offering virtual assistant software via a SaaS platform. The Wysdom AI chatbot product was initially designed to service the needs of large telecoms.

AI Automation Specialist - [Wysdom AI](#), Richmond Hill, ON June 2019 - March 2020

- Automated chatbot testing in Python
- Developed web based business process automation tools and applications
- Contributed to the development of a prototype data pipeline which used audio filters (FFmpeg) to manipulate mp3 formatted data

## SKILLS

- |                         |                        |                  |
|-------------------------|------------------------|------------------|
| • HTML                  | • Angular              | • Git            |
| • CSS                   | • React                | • Agile          |
| • JavaScript/TypeScript | • AWS                  | • CI/CD and IaC  |
| • Node.js               | • Kubernetes/OpenShift | • Web Components |

## CERTIFICATIONS

- AWS Certified Solutions Architect Professional, *SAP-C02*, [Verify](#)
- OpenJS Node.js Services Developer, *JSNSD*, [Verify](#)
- OpenJS Node.js Application Developer, *JSNAD*, [Verify](#)
- AWS Certified Solutions Architect (Associate), *SAA-C02*, [Verify](#)
- AWS Certified Cloud Practitioner, *CLF-C01*, [Verify](#)
- Certified Associate in Python Programming, *PCAP-31-02*, [Verify](#)

## PROJECTS

- Video Summarizer - ([Demo](#)) - Alpine.js, TailwindCSS for styling, WASM (if available), and OpenAI API
- Map Application - ([Demo](#)) - Angular 12, NgRx for state management, microservices implemented in Golang and TypeScript

## EXTRA-CURRICULARS

- [Waterloop](#) - Team Leader Magnetic Wheel. Competed at SpaceX [Hyperloop Pod Competition](#) 2017.

## PUBLICATIONS

- [Approaching special relativity in complex time](#), Can. J. Phys., **95**(10) (2017) 923-926., Mathematical/theoretical physics, logic, set theory, and algebra

## AWARDS

- [Pascal Mathematics Contest](#), School champion, 25<sup>th</sup> percentile.