

# James Spears - Development Lead

## CONTACT INFO

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**Links**

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

**About Me** I am passionate about software. I am currently a lead software developer creating impactful products that lead to great user experiences.

## 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 is a highly diversified financial services provider offering a broad range of personal and commercial banking, wealth management and investment banking products and services to over 12 million customers.

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

- Team building and mentoring Jr. developers
- Develop and maintain Angular frontend applications
- Serverless backend development with API Gateway, AWS Lambda, DynamoDB
- Operate under Agile SDLC using Jira, Bitbucket, and Confluence

### WebsiteBox

WebsiteBox is a late 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) at scale.

## 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 late 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       | • Node.js | • Git   |
| • CSS        | • Angular | • Agile |
| • JavaScript | • Python  | • CI/CD |
| • TypeScript | • AWS     | • IaC   |

## 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

### Web App

Video Summarizer - ([Demo](#)) - Alpine.js and TailwindCSS for styling. Uses WASM (if available) and the OpenAI API.

### Web App

Map Application - ([Demo](#)) - Angular 12 and NgRx for state management. Microservices are implemented in Golang and JavaScript.

## 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.