

## SKILLS

### Technologies/Languages/Tools

AWS, GCP, Spark, Hadoop, Kafka, Python, Airflow, Java, SQL, JavaScript, Assembly, C, Git, Maple, Angular, Node.js

### Finance

Knowledge of: Financial markets (structure), Derivatives, Equity Valuation, FX & Equity Trading

### Soft

Experience working independently and as part of a team  
Strong analytical/problem solving skills

## EXPERIENCE



### Senior Cloud Engineer

Toronto, ON | March 2018-Present

- Amazon Web Services
  - Currently developing a Data Pipeline Framework to ingest batch and streaming data using Kafka, AWS Glue/Spark, and Apache Hudi
  - Worked on an Implementation of AWS Control Tower automating VPC creation (and TGW connectivity), Route53 DNS resolution (using Resolvers & Private Hosted Zones), and Guardrail application (AWS Config & SCPs)
  - Designed and developed an Account Vending Machine using Service Catalog, CloudFormation, AWS Organizations, & Lambda
  - Developed an ETL pipeline using Airflow to orchestrate operations against AWS services (Glue, Lambda, SQS, S3, Redshift)
  - Operationalized the use of Amazon Kinesis, DynamoDB, and SageMaker including security constraints, automating resource/access provisioning
  - Migrated on-premise EDL to AWS (EMR and S3)
  - Technologies/services used: CloudFormation, CloudWatch, SNS, Lambda, Organizations, CloudTrail, Kinesis, DynamoDB, Config, Service Catalog, Airflow, SageMaker, S3, EMR, Hadoop (HIVE)
- Google Cloud Platform
  - Created and implemented an entity resolution pipeline using Google Cloud Dataflow
  - Technologies/services used: Google Cloud Dataflow (Apache Beam), Big Query, Google Compute Engine



### Developer, CTS

Waterloo, ON | September-December 2016

- Implemented functional changes to a savings and investments web application (AngularJS) used within bank wide platform

### OPENTEXT Business Intelligence Developer

Waterloo, ON | September-December 2015

- Created and modified Stored Procedures, Tables, Script Components, Views, & SSIS packages for new and existing data pulls from source system databases to Business Intelligence databases
- Decreased the time of an SQL Server data pull which updated a database containing comprehensive sales information for internal reporting by 75%



### Technical Systems Analyst

Toronto, ON | January-April 2015

- Provisioned Virtual and Physical production servers for internal clients based on specific requirements for various applications



### Project Associate

Markham, ON | May-August 2014

- Generated weekly progress reports on deliverables completion, requirements mapping, & functional testing progress

## EDUCATION

### Wilfrid Laurier University

Waterloo, ON | 2012-2017

### Honours Computer Science & Business Administration (BSc/BBA)

- Dean's Honour Roll 2016-2017, Finance Option, Co-op Option,
- PepsiCo Pitch Competition Semi-finalist