

SKILLS

Languages: Swift, Python, SQL, Java, C++
Frameworks: Cocoa Touch, Apache Hadoop
Tools: Xcode, scikit-learn, Bash/Linux

EDUCATION

University of Waterloo
Systems Design Engineering 2021

EXPERIENCE


Data Engineer • Manulife Sep 2017 - Dec 2017

- Created monthly Microsoft Azure usage reports using the Enterprise Billing REST API
- Developed a cost optimization algorithm to scale over-provisioned virtual machines
- Reduced monthly Azure subscription costs by over 15%


Solutions Architect • TD Bank Group Jan 2017 - Apr 2017

- Executed a PoC for Apache Phoenix to process data in HBase (a noSQL database)
- Reduced query time by 50% by applying secondary indexing to benchmark data
- Implemented smart aggregation for Hive using AtScale

PROJECTS

divide  Nov 2017 - Current

- Creating an iOS app with image processing to split and track payments
- Applied natural language processing to identify the total and date from a receipt
- Integrating an Interac e-transfer API to simplify payment transfers

Smack  Sep 2017 - Oct 2017

- Created an iOS Slack clone app using Swift
- Implemented Socket.io for real-time messaging
- Made API calls to fetch data from a MongoDB database

Airline Delay Estimator Jan 2017 - Mar 2017

- Built a predictive model to estimate airline delays for over 7.4 million flights
- Employed HDFS and MapReduce to perform data processing
- Applied machine learning algorithms to predict future delays using scikit-learn