

## SKILLS

**Languages:** Swift, Python, SQL, Java, C++, Javascript  
**Frameworks:** Cocoa Touch, Apache Hadoop, React.js  
**Tools:** Xcode, scikit-learn, Bash/Linux, Git

## 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 using Swift 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