ADIL JIWANI
SYSTEMS DESIGN ENGINEERING

CONTACT

🌐 adiljiwani.me

✉️ adiljiwani@gmail.com

⌨ adiljiwani

📞 416-454-6555

SKILLS

LANGUAGES

Swift
Python
SQL
Java
C++
JavaScript

FRAMEWORKS

Cocoa Touch
Apache Hadoop
React-Native
React.js

TOOLS

Xcode
Firebase
Bash/Linux
Git
Apache Phoenix

EDUCATION

University of Waterloo

Systems Design
Engineering 2021

EXPERIENCE

Data Engineer, Manulife   SEP 2017 - DEC 2017

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

Solutions Architect, TD Bank Group   JAN 2017 - APR 2017

- Implemented Apache Phoenix to process data in HBase
- Reduced query time by **50%** by applying secondary indexing
- Implemented smart aggregation for Hive using AtScale
- Created data visualization reports using Tableau

PROJECTS

divide ⌨   NOV 2017 - CURRENT

- Creating an iOS app to split and track payments
- Employed **natural language processing** to identify the total and date from a receipt
- Managing transaction history in a Firebase database in real time
- 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 using Alamofire from a MongoDB database

Airline Delay Estimator   JAN 2017 - MAR 2017

- Built a predictive model using Python to estimate airline delays for over 7.4 million flights from O'Hare International Airport
- Employed HDFS and MapReduce to perform data processing
- Applied **machine learning algorithms** to predict future delays using scikit-learn