

# ADIL JIWANI

## SYSTEMS DESIGN ENGINEERING

### CONTACT



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adiljiwani



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### 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

**Manulife Financial**, Data Engineer

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
- Processed, analyzed and presented data with over 10 million rows
- Reduced monthly Azure subscription costs by **over 15%**

**TD Bank Group**, Solutions Architect

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