

# ADIL JIWANI

## SYSTEMS DESIGN ENGINEERING

### CONTACT



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adiljiwani



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### SKILLS

#### LANGUAGES

Python

SQL

Swift

Java

C++

JavaScript

#### FRAMEWORKS

Apache Hadoop

Cocoa Touch

React-Native

React.js

#### TOOLS

Bash/Linux

Xcode

Tableau

Firebase

Apache Phoenix

AtScale

Socket.io

### EDUCATION

University of Waterloo

Systems Design

Engineering 2021

### WORK EXPERIENCE

**Manulife Financial**

**Data Engineer**

SEP 2017 - DEC 2017

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

**TD Bank Group**

**Solutions Architect**

JAN 2017 - APR 2017

- Executed a PoC for Apache Phoenix to process data in HBase
- Reduced query time by **50%** by applying **secondary indexing**
- Implemented AtScale to simplify data access to Hive through smart aggregation and adaptive cache
- Created data visualization reports using Tableau

### PROJECTS

**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

**divide**

NOV 2017 - CURRENT

- Creating an iOS app with photo-recognition to split payments
- Employed **natural language processing** to identify the payer and determine the receipt total and date
- Integrated an Interac e-transfer API to simplify the transfer of payments

**Smack**

SEP 2017 - OCT 2017

- Created an iOS Slack clone app using **Swift**
- Implemented Socket.io for real-time messaging

### ADDITIONAL EXPERIENCE

**Story of Syria**

**Founder**

SEP 2014 - CURRENT

- Raised over **\$3000** and increased awareness for the Syrian refugee crisis