

# ADIL JIWANI

## SYSTEMS DESIGN ENGINEERING

### CONTACT



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adiljiwani



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### SKILLS

#### LANGUAGES

Java

C++

SQL

Python

JavaScript

HTML

CSS

#### FRAMEWORKS

Apache Hadoop

React.js

Angular.js

Node.js

React-Native

#### TOOLS

Bash

Apache Phoenix

AtScale

Firebase

Tableau

### EDUCATION

University of Waterloo

Systems Design

Engineering 2021

### WORK EXPERIENCE

#### TD Bank Group

JAN 2017 - APR 2017

##### Solutions Architect

- Executed a technical feasibility assessment for Apache Phoenix on TD's **Hadoop** cluster
- Reduced query time by **50%** by applying **secondary indexing** to TPCDS benchmark data
- Implemented Cloudera Impala to simplify the access of data from Hive using standard SQL queries
- Created a web form using **Angular.js** and **Node.js** for data intake requests from the Hadoop cluster

### PROJECTS

#### diVide

JAN 2017 - CURRENT

- Creating a **React-Native** app with photo-recognition to split payments
- Employed natural language processing to identify the payer and determine the receipt total
- Integrated a PayPal API to simplify the transfer of payments

#### 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

#### OCAD Sumo Robot Challenge

FEB 2015 - MAY 2015

- Designed and programmed an autonomous robot for head-to-head combat using **C++**
- Placed **3rd** in the competition against 15 school teams across Toronto

### ADDITIONAL EXPERIENCE

#### Story of Syria

SEP 2014 - CURRENT

##### Founder

- Raised over **\$3000** and increased awareness for the Syrian refugee crisis
- Facilitated weekly meetings for **53 members** to brainstorm solutions to resolve global issues

#### MakeLab

NOV 2015 - CURRENT

##### Program Manager

- Organized a 3D printing workshop for **over 200 students** to explore the architecture of Cairo