

# SHADY IBRAHIM



shadyibrahim.me

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## TECHNICAL SUMMARY

### PROGRAMMING

Python, Scala, C++, Java, C#, Scheme/Clojure, Kotlin, Bash

### SOFTWARE

AWS Cloud, Airflow, Luigi, Spark/Hadoop, Pandas

### DATABASES

Redshift, BigQuery, MySQL, Postgresql, Splunk, Oracle DB

## RECENT EXPERIENCE

### DATA & ML ENGINEER

Coinbase  
San Francisco CA  
May 2018 - Present

Designed & productionized ETLs to extract blockchain data from UTXO and ETH based chains. Migrated multiple ETL infrastructures written in Python (Airflow) & Kotlin from AWS Redshift to Snowflake as the primary data warehouse.  
[Python](#), [Airflow](#), [Snowflake](#), [Kotlin](#), [Redshift](#), [Crypto nodes](#)



### DATA ENGINEER I

Weebly  
San Francisco CA  
May - Aug 2017

Built monitoring tools for key ETL stages to report service outages and data integrity issues. Wrote verbose logging for major ETL jobs and designed new pipelines to process data from vendors.  
[Luigi](#), [Python](#), [Redshift](#), [MySQL](#), [S3](#), [Slack Bot API](#)



### DATA ENGINEER I

Kik Interactive  
Waterloo ON  
May 2016 - Jan 2017

Migrated data pipelines and Spark jobs from legacy infrastructure to new stack using Python Notebooks and Airflow. Automated event process by building pipelines to discover new events, infer schema, and create data pipelines to automate data load into Redshift.  
[Spark](#), [Airflow](#), [Redshift](#), [S3](#), [EC2/EMR](#), [DataBricks](#), [R](#), [Python](#)



### DATA ANALYST

Rogers Communications  
Brampton ON  
Jun - Dec 2015

Designed and developed Splunk powered data visualizations for video monitoring infrastructures. Used the D3.js library to create stunning visualizations for Big Data queries written alongside Splunk SQL.  
[Splunk](#), [D3.js](#), [SQL](#), [HTML/CSS/JS](#)



### Founder & President

ShadyCraft Servers  
Mississauga ON  
Apr 2011 - Apr 2014

Founded, developed, and operated the largest Minecraft gaming server in the world. Built website and web scripts to allow for product delivery automation.  
[Java](#), [Bash](#), [CentOS/Debian](#), [HTML/CSS](#)



## EDUCATION

### BCS COMPUTER SCIENCE

University of Waterloo, 2019

Awarded President's Scholarship of Distinction, 2015.  
Relevant courses: Object Oriented Programming, Statistical Modeling, Data Abstraction



### BBA BUSINESS ADMIN.

Wilfrid Laurier University  
Attended 2015 - 2017

BDO New Venture Competition Champion.  
Relevant courses: Financial Management, Operations, Macroeconomics

