# Isaac Sheikh
## Software Engineer / Data Analyst

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## About Me_____

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|---|---|
| **Programming Languages** | Dart • Go • Javascript(ES6) • Python 3 • R • SQL • Swift |
| **Frameworks/Libraries/Tools** | AWS • Azure • Django • Docker • Flask • Flutter • GCP • MongoDB • Numpy • Pytorch • SciKit-Learn • Tensorflow • Tableau |
| **Education** | George Mason University: Fall 2017 - B.S., Computer Science<br>Old Dominion University: Fall 2020 - B.S., Psychology |

## Professional Experience_____

**Volkswagen Group of America**                                                                           **Herndon, VA**
Full Stack Software Engineer - Innovation Labs                                                  Feb 2019 - Present

- Scoping out a repository of potential engineering projects for future development via the Innovation Labs
- Leading research efforts into future disruptive technologies, such as deep learning and quantum computing
- Developing cross-platform blockchain applications utilising Flutter ecosystem and Python
- Leading Summer 2019 internship projects using machine learning to build validation and recommendation models
- Designing and leading software engineering interviews in order to further build out innovation engineering team

**Discovery Communications, Inc.**                                                                     **Silver Springs, MD**
Software Engineer                                                                   (Contract Position) Nov 2018 - Jan 2019

- Designed and developed a media data pipeline for validating video metadata using Python
- Implemented proprietary authentication functionality for internal media delivery applications using Angular 2
- Worked with AWS Elemental Live APIs to create a client-facing user interface for media delivery with Python
- Completed a Google Cloud Developer and an AWS certification course

**Sequoia Holdings, Inc.**                                                                                      **Reston, VA**
Back-end Software Engineer                                                   (Laid Off: Budget Cuts) May 2018 - Jul 2018

- Ported over company codebase from Java 7  to Python 3
- Wrote and productized a decentralized blockchain network for enterprise using Python/Flask
- Delivered company-wide presentation sessions to guide product direction for blockchain

**Microsoft**                                                                                                    **Washington, D.C.**
Blockchain & AI Lead                                                                (Contract Position) Mar 2018 - Apr 2018

- Developed a cross-platform (mobile and web) blockchain platform with React and React Native
- Utilised Azure Machine Learning to create a query portal for categorising legal documents with reinforcement learning

**Telos Corporation**                                                                                            **Ashburn, VA**
Full Stack Software Engineer - Innovation Team                                            May 2017 - Mar 2018

- Utilized Github's Electron framework to build out a cross-platform dashboard UI for a desktop blockchain application
- Worked with the backend team to configure Hyperledger Composer and build REST APIs for productization

**Old Dominion University**                                                                                    **Norfolk, VA**
IT Tech Lead                                                                              (Internship) Oct 2015 - May 2016

- Guided  sensitive IT team projects and assisted with new member training/management

- Managed user database using SQL and utilised data to ensure productive downtime behind the desk

## Freelance Experience_____

**Soko**                                                                                                    **Washington, DC**
Lead Mobile Engineer                                                                                         Jul 2018 - Dec 2018

- Utilising Flutter and Dart to design and develop an application that connects consumers to locally owned businesses
- Deploying mobile applications to App Store and Google Play

**Public Bloc**                                                                                             **Washington, DC**
Chief Technology Officer                                                                                     Oct 2017 - Feb 2018

- Hired engineering team and led coding sprints
- Developed and deployed company website
- Identified and tracked success/tracking metrics to enable growth of the start-up / platform

**DrillBook**                                                                                               **Ashburn, VA**
Software Engineer                                                                                            Apr 2017 - Feb 2018

- Ported over Java Swing Front-End UI to Github's Electron in order to increase user retention
- Developed product website using HTML/CSS/jQuery to increase monetisation for company

**Ashtech**                                                                                                 **Ashburn, VA**
Software Engineer                                                                                            Apr 2015 - Feb 2017

- Developed microservices using Go for controlling hardware inputs
- Developed Arduino programs to control micro-computer

**Techtagon**                                                                                               **Ashburn, VA**
Technical Writer / Editor                                                                                    Jul 2014 - Oct 2015

- Oversaw development and growth of small-scale, technology-oriented website
- Edited and cultivated content for writers on the team

## Projects / Awards_____

**Chord**
**-** Won first place during Google Firebase Hackathon with a real-time audio commenting tool for musicians utilising Google Firebase and Javascript

**Walmart.Search**
**-** Developed a CLI tool for testing Walmart's Product, Search, and Recommendations API using Python 3

**GoQuiz**
**-** Developed a quiz game using Go that accepts a question/answer key via a .CRV file and prompts the users to take the quiz

**GoShort**
**-** Developed a tool for shortening html links, similar to goo.gl and bit.ly, using Go

## Publications _____

**-** Author: Sheikh, Isaac. **Development and Validation of a Deep Learning Algorithm for Early Detection of Alzheimer's Disease in Genetic Data**. In-progress. 2019