

# Ahad Sagheer

syed.ahad.sagheer@gmail.com | 352-238-9410 | ahadsagheer.me | github.com/ssagheer532

## Technical Skills

Scala Python Java JavaScript SQL Kafka Docker Spark/PySpark Databricks Snowflake Firebase  
AWS (Lambda, S3, EMR, Kinesis, CloudFormation, EC2, Cloudwatch) Datadog Splunk Jenkins Git Bash

## Experience

### Senior Associate Software Engineer | Capital One, Washington, D.C.

Feb 2020 – Present

Scala, Python, Kafka, Spark, AWS (Kinesis, Lambda, EMR, S3, CloudFormation), Databricks, Splunk

- Implemented, designed, and improved diverse backend projects which capture and handle metrics from all 2,000+ Capital One ATMs
- Developed multiple highly available applications with 99.999% uptime while also fully implementing core logic, unit/regression tests, and CI/CD pipelines
- Lowered incident response time from 2-3 days to just 30 minutes by creating an AWS Lambda which retrieves data from AWS Kinesis, parses metrics, and forwards it to Splunk and Datadog
- Architected and designed new streaming data platform to replace old batch-based data processing pipeline

### Associate Software Engineer | Capital One, Washington, D.C.

Feb 2019 – Feb 2020

Python, Java, Scala, AWS (EC2, EMR, S3), Docker, Jenkins, Spark

- Created a big data library built with Scala and Python to allow developers to integrate with Capital One's data ecosystem and accelerate the development cycle of Spark jobs hosted on AWS EMR
- Enhanced and maintained an inner-sourced big data framework that enables users to easily ingest, process, and act on batch and real-time streaming data
- Developed CI/CD pipelines allowing users to deploy Spark Applications hosted on AWS in an automated fashion.

### Software Engineer Intern | Capital One, Washington, D.C.

June 2018 – Aug 2018

- Created REST APIs and database schemas on a webapp which manages the transfer of sensitive files

### Software Engineer Intern | Harris Corporation, Melbourne, FL

June 2016 – Aug 2017

- Developed software which prevents attackers from sniffing network packets using time-based scrambling

## Projects & Volunteer Work

### StayNeighbor.com | JavaScript, MongoDB Cloud

- Backend engineer on a website which acts as a logistics tool for areas impacted by COVID-19

### CodePath Mentor | Python

- Taught data structures/algorithms and mentored underrepresented/underserved college students

### BandMap | Django, Python

- Backend engineer on a website like LinkedIn but specifically for musicians

### Swollmate | Android

- An app which connects users with similar workout interests to find a workout buddy

## Education

### Purdue University | West Lafayette, IN

2015 – 2018

- Bachelor of Science in Computer Science (Tracks: Security & Software Engineering)
- Certificate in Entrepreneurship

### AWS Solutions Architect Certification

2019