Ahad Sagheer

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Technical Skills

Scala | Python | Java | JavaScript | AWS (Amazon Web Services) | Docker | Kafka | Spark/PySpark
Databricks | Snowflake | Datadog | SQL | Splunk | Jenkins | Firebase | 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 CICD 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 CICD 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