Kevin Du

Data engineer experienced in real time big data processing, with a focus on cloud resiliency/scalability, and an interest in automated stack management solutions.

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EXPERIENCE

Capital One – Richmond, VA
Lead Data Engineer

July 2021 - PRESENT

Core enterprise data streaming platform on AWS utilizing Kafka, providing real time data ingestion into centralized data lake for both streaming and batch sources, while performing data validation, tokenization, and ETLs. Scalable to handle trillions data records daily with ease, and designed to provide high uptime and reliability for critical enterprise users.

Principal Data Engineer

January 2020 - July 2021

Enterprise system for batch data movement into centralized data lake, allowing for scheduled and on-demand data ingestion and data pull. Utilizing AWS to provide a fully scalable and resilient solution for time critical batch processes.

Senior Data Engineer

January 2018 - January 2020

Application to provide critical enterprise cloud data migration and sensitive data tokenization, utilizing Spark on AWS EMRs, with automated stack management via AWS Lambdas.

Data Engineer

July 2016 - January 2018

Cloud resiliency solution for tracking and alerting on bank ETL processes, utilizing ELK stack (Elasticsearch, Logstash, Kibana) on AWS.

Booz Allen Hamilton – McLean, VA
Software Engineer Intern

June 2015 - August 2015

Created tools to collect real-time cyber threat intels for the Booz Allen Cyber Solutions Network (CSN), with which CSN provides proactive cyber threat detections and security consultations.

EDUCATION

College of William and Mary
Williamsburg, VA

B.S. Computer Science
Minor: Mathematics

2016
Summa Cum Laude

GPA: 3.87

SKILLS

Kafka

Spark

Hadoop

ETLs

Docker

Jenkins

Cloud Engineering (AWS)

LANGUAGES

Python

Java

Scala

CERTIFICATIONS

AWS Solutions Architect