



JAMES COOPER

Senior Big Data Engineer



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Chicago, IL

Education

Bachelor of Science in Computer Engineering

2010 - 2014

University of Illinois


Certified Big Data Professional (CBDP)


Global Data Science, 2021

AWS Certified Big Data – Specialty


Amazon, 2020


Skills

Big Data: Hadoop, Spark, Kafka, HBase 

Programming: Java, Python, Scala 

Cloud Platforms: AWS, Azure 

Data Pipelines: ETL, Data Warehousing, Real-time Processing 

Soft Skills: Collaboration, Problem-solving, Communication 

Links

 Github

 LinkedIn

Professional summary

Senior Big Data Engineer with a passion for handling large-scale systems. Over 10 years of experience in designing and optimizing big data architectures using Hadoop, Spark, and cloud technologies. Known for delivering solutions that support advanced analytics and AI-driven projects.

Experience

Skyline Analytics, Chicago, IL

February 2021 - Now

Senior Big Data Engineer

- Develop scalable big data solutions, processing 100+ TB of data daily with Hadoop and Spark, improving data throughput by 45%.
- Architect real-time data processing pipelines using Kafka and Spark Streaming, reducing lag by 30%.
- Collaborate with data scientists to deploy machine learning models on cloud infrastructure, reducing model training times by 50%.
- Mentor a team of 7 engineers, driving efficiency improvements and fostering a culture of continuous learning.

TechNova Solutions, Chicago, IL

November 2014 - January 2021

Big Data Engineer

- Built and maintained data lakes and warehouses, optimizing storage and accessibility for analytics teams.
- Implemented ETL pipelines to integrate data from multiple sources, reducing integration time by 35%.
- Worked with business stakeholders to design data architectures that supported advanced analytics projects.