

Albert Joshua Capistrano

Westfield, NJ

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SKILLS

- Advanced proficiency in:
 - Amazon Web Services including Lambda, S3, SNS, Redshift, CloudWatch, EMR
 - Python Programming along with Pandas, Boto3, PySpark
 - Intermediate proficiency in:
 - SQL queries using Oracle SQL Developer
 - Experienced with Git and Github
 - Involved working in Agile Environment
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EXPERIENCE

Bloomberg L.P., New York, NY

May 2023-Present

Data Engineer

- Designed and implemented Spark-based ETL pipelines to efficiently deliver data to clients on Bloomberg Terminal, ensuring timely and accurate data delivery
- Developed and maintained microservices similar to AWS Lambda integral to ETL pipelines, facilitating preprocessing tasks and enhancing data quality
- Actively participated as a representative of the technology team in the department's knowledge council, contributing to the creation of comprehensive documentation on the tech stack used in projects
- Collaborated closely with team representatives to understand and address business needs, ensuring that technical solutions aligned with client requirements and expectations
- Played a key role in bridging the gap between technology and business by translating business requirements into technical specifications and delivering solutions that meet client needs effectively
- Designed and implemented post-processing microservices tailored to align with specific business requirements, ensuring data quality and integrity before delivery to clients
- Collaborated with stakeholders to understand business objectives and translated them into technical requirements for post-processing microservices, ensuring alignment with client needs

Fannie Mae, Reston, VA

January 2020-May 2023

Software Engineer

- Designed and developed scalable AWS infrastructure to store and process large data sets using Pyspark, S3, EMR, and Redshift
 - Implemented ETL pipelines using Amazon Web Services and Python to extract data from various sources, perform data transformations, and load data into the data warehouse
 - Utilized AWS EC2 instances to create and manage EMR clusters for data ingestion, ensuring optimal performance and resource utilization
 - Implemented Spark jobs on AWS EMR to process large datasets, improving data ingestion efficiency and reducing processing time
 - Developed custom scripts to automate data ingestion, data quality checks, and data reconciliation processes
 - Utilized AWS Glue for scheduling and running ETL jobs, reducing manual intervention and increasing reliability
 - Collaborated with cross-functional teams to gather requirements, design solutions, and implement end-to-end data pipelines
 - Monitored performance and optimized AWS resources usage to reduce costs and increase efficiency
 - Automated deployment of Lambda functions using AWS CloudFormation
 - Designed, developed, and deployed custom software applications using languages such as Python, and Java
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EDUCATION

Rutgers University, School of Engineering, New Brunswick, NJ

December 2019

Bachelor of Science in Electrical and Computer Engineering

GPA: 3.45/4.00

- Concentration in Computer Engineering
- Honors: Magna Cum Laude
- Dean's List: Fall 2017, Fall 2018, Fall 2019