

SUMMARY

Results-driven Data Engineer with a proven track record of designing and implementing efficient data pipelines using Python, Scala, and SQL. Proficient in cloud technologies such as Microsoft Azure and AWS, adept at optimizing performance and automating ETL processes for high-profile clients, including The Coca-Cola Company. Leveraging a successful career transition from journalism to tech, I bring a unique perspective that combines analytical thinking and storytelling to deliver impactful data-driven solutions. Embarking on a Master's in Computer Science at Harvard University, reinforcing a commitment to continuous learning and excellence in data engineering.

RELEVANT EXPERIENCE

Data Engineer Aug 2022 - Present
The Coca-Cola Company Atlanta, GA

- Collaboratively developing a global data pipeline for 250+ Coca-Cola bottlers worldwide using Scala, Spark, SQL, and Microsoft Azure
- Automating Coca-Cola's global supply chain ETL, handling billions of rows of data, resulting in a 64% reduction in monthly manual workload
- Migrating legacy data systems to Microsoft Azure's cloud-based architecture, yielding a 34% performance boost
- Cooperating effectively with project managers, business owners, and data analysts, driving a 28% improvement in efficiency KPIs for data pipelines

Data Engineer Mar 2022 - Aug 2022
Correlation One - Data Engineering Fellowship Remote

- Selected for fellowship (4% acceptance rate) with learning facilitated through real-world business cases
- Directed team of 6 to construct an ETL pipeline to help airlines select in-flight entertainment for passengers
- Architected airliner ETL pipeline with Python, SQL, Hadoop, PySpark, Hive, and APIs with 1,000,000+ flight data
- Mentored junior data engineers during project, promoting knowledge sharing and professional growth

Founder and Data Analyst Jul 2021 - Present
Nicky Loves Data Atlanta, GA

- Founded a data analytics blog to showcase projects and skills such as data transformation and data visualization
- Analyzed 1000+ lines of Super Bowl game data from CSV files to study correlations between outcomes, viewership, and halftime shows
- Discovered with 95% confidence that Super Bowl viewership will decrease due to large team score differences

Advanced QA Analyst Mar 2019 - Jul 2022
Warner Bros. Discovery Atlanta, GA

- Spearheaded tests to migrate petabyte-scale CNN digital content to AWS cloud for 2000+ employees
- Automated daily regression tests with Java and IntelliJ and reduced test time from 2-3 hours to 30-45 minutes
- Managed team collaboration as an Agile Scrum Master and increased team deliverable points by 30%

TECHNICAL SKILLS

Programming Languages: Python, Scala, SQL, Java, Shell, R, JavaScript

Cloud Technologies: Microsoft Azure, AWS (Amazon Web Services)

Microsoft Azure Tools: Synapse Analytics, Azure Data Lake Storage (ADLS), SQL Database, Data Factory, Databricks

AWS Tools: S3, Glue, Lambda, Cloudwatch, Redshift, IAM, Athena

Other Technologies: Microsoft SQL Server, Selenium, Plotly Dash, Apache Spark, Hadoop / HDFS, Hive, Airflow, Git, GitHub, GitLab, Power BI, Excel

EDUCATION & CERTIFICATIONS

Harvard University Sep 2023
Master of Liberal Arts in Extension Studies, Computer Science Cambridge, MA

Correlation One Data Skills for All Mar 2022 - Jul 2022
Data Engineering Fellowship Certificate - Honors Remote

Harvard University Aug 2018 - May 2019
Courses in Computer Software Engineering Cambridge, MA

University of South Florida Aug 2008 - May 2013
BS in Mass Communications Tampa, FL