(813) 215-7748

nswatson07@gmail.com

Atlanta, GA

www.linkedin.com/in/nicoleswatson

www.github.com/nsciccarello

www.nickylovesdata.com

Nicole Watson Ciccarello

Data Engineer

SUMMARY

Results-driven Data Engineer skilled in Python, Scala, SQL, and cloud technologies including Microsoft Azure and AWS. Streamlined global data pipelines, automated ETL, and optimized performance for high-profile clients like The Coca-Cola Company. Strong collaborator and passionate about data analytics.

RELEVANT EXPERIENCE

Data Engineer
The Coca-Cola Company

Aug 2022 - Present

Atlanta, GA

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

Data Engineer
Correlation One - Data Engineering Fellowship

Mar 2022 - Aug 2022

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 airliners 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
Nicky Loves Data

Jul 2021 - Present

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
Warner Bros. Discovery

Mar 2019 - Jul 2022

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
Master of Liberal Arts in Extension Studies, Computer Science

Sep 2023

Cambridge, MA

Correlation One Data Skills for All
Data Engineering Fellowship Certificate - Honors

Mar 2022 - Jul 2022

Remote

Harvard University
Courses in Computer Software Engineering

Aug 2018 - May 2019

Cambridge, MA

University of South Florida
BS in Mass Communications

Aug 2008 - May 2013

Tampa, FL