Nicole Watson Ciccarello
Data Engineer

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EXPERIENCE

Data Engineer
The Coca-Cola Company

Aug 2022 - Present
Atlanta, GA

- Developed and deployed a global data pipeline for 250+ Coca-Cola bottlers worldwide, leveraging Scala, Spark, SQL, and Microsoft Azure to efficiently process semi-structured data
- 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 $598,000 in annual savings and a 16% performance boost
- Collaborated 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

Founder and Data Analyst
Nicky Loves Data

Jul 2021 - Aug 2022
Atlanta, GA

- Founded a data analytics blog to showcase projects and skills such as data transformation and data visualization
- Compiled 1000+ lines of historical datasets on Super Bowl games from CSV files into databases to analyze the correlation between game 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

- Spearhead 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%

Content Producer
CNN Newsource

Jul 2017 - Mar 2019
Atlanta, GA

- Orchestrated global content curation for CNN & 1,000+ affiliates, showcasing compelling broadcast & digital media, enhancing global reach
- Led special coverage such as Hurricane Maria aftermath and funeral of former President George H.W. Bush with viewership rating increase of 25%

News Producer
Bay News 9

May 2013 - Jun 2017
Tampa, FL

- Produced daily news segments, increasing viewership ratings by 15%
- Coordinated live coverage of major events, achieving a 99.9% on-air accuracy rate and 100% successful technical execution

TECHNICAL SKILLS

Programming and Scripting Languages: Scala • Python • SQL • Java • Shell • R • XML • JavaScript

Microsoft Azure Tools: Synapse • Databricks • Azure Storage • Azure SQL Database • Azure Active Directory • Azure Key Vault •
Azure Resource Manager

Other Tools: Apache Spark • Hadoop / HDFS • Hive • Airflow • Microsoft SQL Server • MapReduce • Power BI • Excel • Git • Jira

EDUCATION & CERTIFICATIONS

Correlation One Data Skills for All
Jul 2022

Data Engineering Fellowship Certificate | Remote

Harvard University
May 2019

Extension Studies in Computer Software Engineering | Remote

University of South Florida
May 2013

BS in Mass Communications | Tampa, FL