Anya Mendenhall

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PROFESSIONAL SUMMARY

A data engineering professional with over 8 years of experience in building scalable data infrastructure and optimizing ETL processes, expert in AWS/Azure and Snowflake tools and data pipeline orchestration. Key achievements include the successful design and implementation of end-to-end monitoring and alerting solutions, and significant enhancements in data quality and integration efficiency.

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, Bash, Kusto, SQL, Java, Scala
Tools/Other: Azure Dev Ops, ADF, AWS Glue, GitHub, Copilot, Power Automate, Power BI with AI insights, Tableau, Terraform, Snowflake, Databricks, Kubernetes
Cloud: AWS Solutions Architect, Azure Solutions Architect Cloud
Databases: MS SQL Server, Oracle, MySQL, PostgreSQL
Artificial Intelligence: AI Agents, M365 Copilot, Natural Language Processing, Azure AI Language.

EXPERIENCE

RedCloud Consulting (Senior Data Engineer Jan 2022 - Present) Microsoft Contract
- **Owned end-to-end data** pipeline for 15+ enterprise ETL systems, improving data quality and achieving 30% increase in data accuracy across multiple client environments supporting analytics and reporting objectives.

- **Drove Azure Data Factory infrastructure implementation** including pipelines, data flows, datasets, linked services, and integration runtime components, enabling seamless data integration across cloud and on-premises systems.
- **Leveraged Kusto queries and Power BI dashboards** to analyze customer feedback from telemetry, support tickets, and Azure DevOps bugs, identifying recurring issues and influencing product quality enhancements and roadmap priorities.
- **Built and prioritized automated product validation strategies** to increase coverage across API and UI layers, improving product release confidence.
- **Mentored** Junior Data Engineers, introducing best practices in automation, product data telemetry to track critical DE metrics.
- **Built and prioritized machine learning data preprocessing strategies** to prepare data for experiments and model training, achieving 35% improvement in preprocessing efficiency and enabling advanced analytics capabilities.
- **Implemented AI opportunities** to personalize content recommendations, optimize user journeys and automate customer experiences, working closely to identify opportunities.

Realatom (Senior Data Engineer March 2018 – Jan 2022) Data Engineering team
- **Owned the design & operation of a 10-TB Snowflake warehouse** supporting Workforce Management analytics; architected Streams/Tasks framework that ingests 2MM rows/day with 5-minute SLA, ensuring real-time data availability for business operations.
- **Built 15 serverless ingestion pipelines using AWS Glue & Lambda** to land data from REST, SFTP, and RDS sources into S3 raw zone, applying metadata-driven quality checks with Great Expectations framework that lifted data accuracy 30%.
- **Worked with cross-functional partners** to scope feature enhancements based on customer requests and prioritized the product backlog for faster time-to-market.

Citrusworks (Data Engineer June 2015 – March 2018) E-Commerce team
- **Established and tested cutting-edge data engineering solutions** deploying most current and relevant technologies, architecting scalable infrastructure to support enterprise-wide analytics and data processing requirements across multiple business units.
- **Defined product metrics dashboards** using Tableau to analyze customer behavior, track KPIs, and present ROI to senior leadership for data-driven roadmap planning.
- **Implemented migration from existing Oracle data infrastructure to Hadoop ecosystem**; operated ETL procedures and optimized Spark jobs to achieve lower latency, resulting in enhanced data processing performance and cost efficiency.

ADDITIONAL EXPERIENCE

George Washington University (Lecturer – Data Science Course)

CERTIFICATIONS

- Azure AI Engineer Associate (Microsoft)
- Azure Solutions Architect Expert (Microsoft)
- AWS Solutions Architect (AWS)
- Azure Administrator Associate (Microsoft)
- Data Science Specialization Certificate

EDUCATION

- Post Graduate in Engineering Management – George Washington University
- M.S. Computer Science – George Washington University
- B.A. Government & International Politics – George Mason University