

Brady Barker

Alpharetta, GA | bradybarker.dev

SOFTWARE ENGINEER – Data & Analytics

Data & Analytics Engineer with 4+ years of experience modernizing enterprise-scale financial systems on cloud data platforms. Expertise in Databricks, Power BI, SQL/Python, Semantic Models, MSAS modernization, and automated cloud workflows.

TECHNICAL SKILLS

- **Languages:** Python, SQL, DAX
 - **Cloud & Analytics:** Databricks (SQL Workflows, Liquid Clustering), Power BI, Semantic Models, Power Platform (Power Automate, Power Apps), MSAS Cubes, Cognos, OneStream
 - **Data Engineering:** Data Modeling, ETL, Workflow Orchestration, Performance Tuning, Query Folding
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PROFESSIONAL EXPERIENCE

General Motors – *Software Engineer*

Roswell, GA | Jul 2021 – Present

- **Architected enterprise migration** from on-prem MSAS Cubes to Databricks-backed Power BI Semantic Models; **reduced refresh times >99%**, scaled to 3000+ finance users.
- **Engineered Databricks ETL pipelines (SQL + Python)** integrating multi-source financial/operational data into a unified analytics layer.
- **Re-architected data models** with Finance, Engineering, and Governance; enforced quality controls & optimization → major gains in speed, reliability, cross-system consistency.
- **Built Power Automate/Power Apps flows** enabling KPI write-back, commentary, Databricks job orchestration, and model refresh automation for 600+ users.
- **Designed dimensional models** (fact tables, dimension tables, surrogate keys, and SCD logic) supporting enterprise semantic layers

Highlighted Project Work

- **Enterprise Cost Analytics Platform** – Led BI development for the CPURAM platform (500+ customers), aligning five Semantic Models with Finance leadership and ensuring continuous data support for USMCA compliance affecting **\$4.6B in annual trade value**.
- **Global Compliance Reporting System** – Integrated GHG (Greenhouse Gas) & IRA (Inflation Reduction Act) data into Databricks using automated SQL/Python pipelines; enabled cross-team real-time reporting for finance and compliance users.
- **Product Information** – Updated & modernized PIM Cube & Semantic Model (2,600+ users); Managed OneDeck updates, user support, and alignment with enterprise reporting standards (400+ users); Enhanced Cognos/MSAS/Power BI reporting to Finance standards.

OTHER EXPERIENCE

Intercollegiate Athletics Baseball @ Georgia Southwestern State University and Georgia Highlands College

- Cultivated discipline, teamwork, and resilience through pursuit of personal and team performance goals.

Tournament Director @ Training Legends

- Managed end-to-end operations of 20+ large-scale tournaments, overseeing logistics and real-time data reporting.
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EDUCATION

Georgia Southwestern State University – *B.S. Computer Science*

Americus, GA | 2019 – 2021

Georgia Highlands College – *A.S. General Studies, Computer Science Focus*

Cartersville, GA | 2018 – 2019

ADDITIONAL

- Community Leadership: NCAA and NJCAA Baseball, Upsilon Pi Epsilon, directed 20+ youth tournaments, volunteered @ Cherokee Humane Society & Miracle League