David David • daviddavidsoftware@gmail.com • (404) 500-8725 • Atlanta GA

Professional Summary

Results-driven Data Engineer with 2.5+ years designing and managing critical data systems in the airline industry using AWS, Snowflake (incl. Cortex LLMs), and Python. Led projects increasing revenue visibility by 15-25%, reducing compute costs by 40%; streamlining customer onboarding by 75%. Currently pursuing an M.S. in Computer Science (ML focus) at Georgia Tech, seeking challenging Data/ML Engineering roles.

Experience

Airlines Reporting Corporation, Arlington VA/Tampa FL

Data Engineer III   **Jan 2025 - Present**

• Spearheading the engineering for airline ancillary data MVP that tracks $150B of airline revenue, which increases visibility on global airline revenue by 15-25%, which itself is steadily growing year by year

• Engineered novel airline brand data MVP; used GPT-4 to map features (113 brands/30 airlines); hit 95% mapping of 70% of tickets; created visibility in key data blindspot; secured 3 major airlines buy-in

• Streamlined customer report onboarding by 75% (from 8 to 2 weeks) by engineering 4 standardized, legally pre-approved, flexible report templates that caters to various customer needs

• Presented products in 32 demos to key stakeholders including directors, managers, and Snowflake engineers

Data Engineer II   **Mar 2024 - Jan 2025**

• Managed 1 business-critical data mart that is a dependency for 15% of the organization's revenue stream

• Engineered and automated a pipeline ingesting 50M+ records quarterly for the DB1B data mart, enabling critical auditing of carrier data submissions (impacting 15% of org revenue) against DOT requirements

Data Engineer I   **Oct 2022 - Mar 2024**

• Deployed 7 customer reports with various individual requirements totalling almost $400K in revenue
• Supported production for 5 data marts and 19 customer reports; improved data quality for 5-10% of customer records by mining a 33T row data mart (13-year history); and reduced Snowflake compute cost by a net 40% by downsizing warehouse size while still meeting SLAs

Vassar College, Poughkeepsie NY

Coach (Teaching Assistant)   **Jan 2020 - May 2020**
• Mentored 24 Software Design and Implementation students with Java both in-person and remote (pandemic)

Nashville Entrepreneur Center, Nashville TN

Program Intern   **Jun 2021 – Aug 2021**
• Eliminated ~2 hrs/week manual data entry by automating 32K+ row spreadsheet processing via Apps Script

Projects

Streamlit Chatbot   **Oct 2024**
• Earned 2nd place (of 12 teams) in internal coding competition judged by senior leadership (VPs/MDs)
• Developed secure RAG LLM chatbot POC (Cortex & Streamlit) querying internal knowledge base (PDFs)

VassarHacks.org Hackathon   **Aug 2020 – May 2022**
• Founded 2 hackathons; led 21 organizing members to get 17 teams, 100+ attendees, $3.5K budget, $2K prizes

Education and Professional Development

Master of Science in Computer Science, Georgia Institute of Technology   **Jan 2025 – Present**
• Machine Learning for Trading, Knowledge-based Artificial Intelligence (AI Agents)

Snowflake Summit   **Attended Jun 2024, Jun 2025**
SnowPro Core Certification   **Completed Feb 2024**
AWS re:Invent   **Attended Nov 2023**
Bachelor of Arts in Computer Science (3.69/4.00), Vassar College   **Graduated May 2022**
• Database Systems, Artificial Intelligence, Computer Organization, Data Structures & Algorithms, Statistics

Skills

Engineering: AWS S3, Lambda, CloudWatch | Snowflake, Streamlit, Ab Initio | SQL | Scrum, Jira, Confluence
Artificial Intelligence: Python, ML, Numpy, Pandas, Matplotlib, SF Cortex LLMs, Prompt Engineering

Interests

Chess Puzzles: peak rating of 2662 (99th percentile)