

DAKOTA HOLLMANN

Highlands Ranch, CO | P: 276-245-8682 | dakotamiller723@gmail.com
LinkedIn: [linkedin.com/in/dakota-hollmann-](https://www.linkedin.com/in/dakota-hollmann-) | GitHub: github.com/dmill166

PERSONAL SUMMARY

Lead Data Engineer | Data Strategy & Cost Optimization

Strategic data leader with over 8 years of experience in data and analytics, focusing on high-throughput pipeline development and cost efficiency. Currently managing critical telemetry ingestion at a scale of 43B+ rows per hour (~6TB/day) & delivering robust data solutions for 30M+ customers. Proven "Force Multiplier" who bridges the gap between executive targets and engineering execution, leveraging an MBA in progress to align technical output with business profitability. Skilled in Python/SQL-native environments, with a focus on mentoring teams and modernizing legacy ETL into efficient cloud-native workflows.

TECHNICAL SKILLS

- Languages: SQL (Expert: T-SQL, Spark SQL, Snowflake), Python (ETL & Automation), Bash/Shell Scripting, VBA
- Cloud Infrastructure: AWS (S3, EMR, Lambda, Step Functions, EventBridge, Redshift, Athena), Snowflake
- Big Data & ETL: Spark (PySpark), Airflow (Exposure), Pandas, Informatica PowerCenter
- Methodology: Analytics Engineering, Data Modeling (Star/Snowflake), ETL/ELT Design, CI/CD (GitLab), Agile/Scrum
- Analytics & Viz: Tableau, Power BI, SSMS, DataGrip

PROFESSIONAL EXPERIENCE

CHARTER SPECTRUM

Greenwood Village, CO

Senior Data Engineer (Contract)

Dec 2023 – Present

- **Massive-Scale Telemetry:** Engineered high-throughput ingestion and analysis pipelines for Wi-Fi performance telemetry, managing logic that processes **43B+ rows per hour (~6TB/day)** to support network optimization for a 30M+ customer enterprise
- **API Ingestion Framework:** Developed a serverless ingestion engine using **AWS Lambda, Python, and Athena** to poll JIRA APIs, flatten complex nested JSON responses, and automate partition-loading into S3 via parquet, bypassing high EMR-to-external network costs
- **Performance Optimization:** Migrated legacy HiveQL workloads to **Spark on EMR 6.x**, reducing daily runtimes by 5 hours and securing **\$10K in annual compute cost savings**
- **Engineering Standards:** Advanced the team's Python maturity by authoring a modular utility framework (8+ scripts) utilizing **inheritance and unit-testing (141+ tests)**, establishing high-reliability patterns for cross-repository code maintenance
- **Operational Resilience:** Automated enterprise-level redundancy and disaster recovery workflows, supported by **400+ technical documentation updates** to standardize knowledge transfer across the engineering org
- **Technical Mentorship:** Led the technical onboarding and professional development of **6 Data Engineers**, conducting detailed code reviews and guiding team-wide best practices for **AWS and Git**-based workflows

DISH NETWORK (WIRELESS)

Littleton, CO

5G Senior Data Analyst

Mar 2023 – Dec 2023

- **FCC Compliance Automation:** Engineered an automated site-validation framework using Alteryx, replacing manual reviews to support the **June 14, 2023 FCC 5G deployment commitments**
- **Operational Throughput:** Increased audit capacity from 4 sites/day to unlimited automated audits, reducing individual site review time from **~2 hours to 5 minutes (90%+ reduction)**
- **Technical Leadership:** Served as **Technical Lead** for an organization of 14 Analysts and Engineers, including the direct management of an India-based data resource
- **Data Enablement:** Architected the data-polling layer and sourced service accounts for executive 5G rollout dashboards, utilizing **Redshift, Athena, and Snowflake** to consolidate multi-cloud datasets
- **KPI Governance:** Standardized 20+ documentation resources and technical onboarding protocols to align site-integration KPIs across disparate engineering business units

ARROW ELECTRONICS

ETL Engineer II

Centennial, CO

May 2022 – Mar 2023

- **Warehouse Optimization:** Developed and tuned complex ETL workflows (Informatica, Oracle, Teradata) supporting a **multi-terabyte, 24/7 global supply chain** warehouse
- **Storage Efficiency:** Engineered a Hadoop-to-SQL pipeline that achieved a **90% reduction in storage footprint** through advanced normalization and SQL tuning
- **Global SLA Performance:** Constructed rolling performance dashboards to track operational SLA metrics with **93–96% accuracy** across three continents

Technical Product Owner II

Feb 2022 – May 2022

- **Agile Delivery:** Prioritized backlogs and managed delivery across **3 Agile sub-teams**, bridging communication between 10+ business stakeholders and 20+ technical members
- **Strategic Analysis:** Presented gap analyses to Director-level leadership regarding Agile maturity and prioritization standards to improve team velocity

DISH NETWORK

Software Engineer III - Database Development

Englewood, CO

Jun 2021 – Feb 2022

- **Enterprise Cloud Migration:** Orchestrated the UAT and technical validation of **150+ database objects** during a large-scale Teradata to AWS Redshift migration
- **System Modernization:** Coached **100+ business users** on cloud-native data practices and coordinated with CX teams to ensure production readiness post-migration
- **Lifecycle Automation:** Designed and implemented automated archiving and trimming scripts across **10+ production servers**, significantly reducing manual maintenance and improving data lifecycle management
- **DevOps Leadership:** Spearheaded the **Git adoption and implementation project** for a team of 8 Data Engineers, establishing version control standards where none previously existed

Analyst I → Sr. Analyst

May 2018 – Jun 2021

- **High-Volume Operations:** Managed complex queue logic and staffing models for **100K+ daily customer contacts** and 2,000+ FTEs across 5 distinct lines of business.
- **Financial Impact:** Identified and delivered **\$250K+ in annual cost savings** through the development of custom efficiency reporting and workflow optimizations
- **Mentorship:** Mentored **7 business analysts** on SQL development, VBA automation, and data visualization best practices to scale team capacity

Prior Roles: DISH CSR → **Team Lead** → **WFM Specialist** (2016–2018), GameStop Game Advisor → **Sr. Game Advisor** (2012–2016).

EDUCATION

FLORIDA GULF COAST UNIVERSITY

Master of Business Administration, Data Analytics

Fort Myers, FL

Expected 2026

METROPOLITAN STATE UNIVERSITY OF DENVER

Bachelor of Computer Science, Minor in Mathematics

Denver, CO

2022

ARAPAHOE COMMUNITY COLLEGE

Associate of General Studies

Littleton, CO

2020

SOUTHWEST VIRGINIA COMMUNITY COLLEGE

Career Studies Certificate - Computer Repair Technician

Cedar Bluff, VA

2018

SOUTHWEST VIRGINIA COMMUNITY COLLEGE

Associate of Arts and Sciences, Education

Cedar Bluff, VA

2017

VOLUNTEER ACTIVITIES & LEADERSHIP

METROPOLITAN STATE UNIVERSITY OF DENVER

Alumni Volunteer Speaker, CS Advisory Board, & DSML Advisory Board

Denver, CO

May 2020 – Present

- **Board Governance:** Appointed to the **Computer Science (CS) and Data Science & Machine Learning (DSML) Advisory Boards** to guide curriculum alignment with industry demand, ABET standards, and emerging AI/Data practices
- **Professional Mentorship:** Delivered 10+ guest lectures and panels to CS students (Freshman through Senior Experience) on topics including **SQL/Database internals, technical interview preparation, and navigating life after graduation**
- **Industry Partnership:** Facilitated logistics for cross-organizational knowledge sharing, including a "Learning By Design" workshop partnership between MSU Denver faculty and enterprise women's resource groups
- **Community Outreach:** Featured in the Department of CS Newsletter for contributions to student outcomes and success strategies for overcoming socioeconomic obstacles in tech