ANDREW VERNON

atvernon@gmail.com | linkedin.com/in/atv1

SUMMARY

Data engineer driving actionable business and engineering decisions through automated, reliable data pipelines. Experienced in automating manual workflows, ensuring data integrity, and unifying diverse data sources.

SKILLS

Technical Skills: Python, PySpark, SQL, Databricks, Google Cloud Platform (GCP), SQL Server, Azure, GitHub
Core Competencies: Data Architecture, ETL/ELT Pipeline Development, Data Modeling, Medallion Architecture, Workflow Orchestration, Batch & Stream Processing, CI/CD, Data Quality & Validation, Data Governance

PROFESSIONAL EXPERIENCE

Data Engineer | Capgemini **Apr 2026 - Present**
Since Aug 2026, leading architecture, data modeling, and requirements for a nationally leading nonprofit's data platform. Working primarily in SQL Server, ingesting from GCP BigQuery.

- Automated 5 legacy processes as the owner of data architecture and modeling for two core pipelines, directing an offshore team through daily syncs to land BigQuery data in a SQL Server data lake.
- Eliminated a manual monthly process by defining the logic that detects net-new stores through prior-month deduplication and maps each to its nearest regional chapter with a tiered proximity algorithm.

Data Engineer | JLL **Aug 2025 - Mar 2026**
Lead operational data transformation to automate project tracking and decision metric creation across the entire organization. Worked primarily in Azure Databricks with PySpark and SQL.

- Automated $75k of annual labor spend by developing a full service pipeline which extracts project updates from unstructured emails and updates a project database.
- Reduced data quality errors by 20% from human baseline by automating a manual data entry workflow and enforcing validation rules within a PySpark-based processing layer.
- Reduced reporting latency from weekly to near real-time by building a master analytics database that unified human-labeled data with automated extraction pipelines orchestrated in Databricks using a Medallion architecture.

Career Break | Bible School — FTTA **Aug 2024 - Dec 2024**
Participated in a one semester international seminary program. Delivered lectures and led outreach programs.

Analytics Engineer | T-Mobile **May 2022 - May 2024**
Member of the network technology team developing metrics to measure and triage network performance. Worked with regional teams to align metrics with business goals and provide accurate, automated reports for leadership.

- Reduced 80% of noise from access failure metric through extensive technical discussion with the regional engineering teams. Increased sensitivity and actionability for network triage.
- Supported nationwide voice KPI improvements by developing and maintaining 10 Tableau dashboards backed by Python scripts and Databricks jobs.

EDUCATION & CERTIFICATIONS

Washington State University **Pullman, WA**
BS, Data Analytics, Minor in Business Administration *Aug 2020 - May 2022*

Databricks Certified Data Engineer Professional *August 2026*
Google Cloud Professional Data Engineer *June 2026*