

Eric Wuerfel

DATA ENGINEER







ABOUT ME

I enjoy improving the performance, reliability, and clarity of data systems—whether that's through pipeline redesigns, cloud migrations, or hands-on engineering in Spark, SQL, and Python.

I gravitate toward collaborative, remote-first teams, and I enjoy contributing to architecture discussions while staying close to the code.

I'm also passionate about mentoring newer engineers, creating clear documentation, and helping teams adopt better practices around data quality, lineage, and maintainability.

CONTACT

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STACK

- GCP (BigQuery, Dataproc)
- SQL (Hive, Presto, MySQL)
- Airflow, Oozie, Cron
- Spark (Python & Scala)
- Bash
- Windsurf, Claude Code
- Power BI/Tableau
- Git/Bitbucket
- CI/CD/Jenkins
- JIRA
- Confluence

EDUCATION

Virginia Tech (2015-2019)

*BA in Physics, Minor in Economics
Magna Cum Laude*

Bloom Institute of Technology (2019-2020)

Certificate in Data Science, Engineering, Analytics

Google Cloud Certified Professional Data Engineer

Issued Dec 2024 - Expires January 2027

EXPERIENCE

Senior Data Engineer

*Lowe's Companies, Inc.
April 2020 - Present | Remote*

- Led multi-stage migration of 20+ pipelines from Hadoop 2 to Hadoop 3 to GCP, modernizing core reporting infrastructure
- Owned reporting pipelines for the Quotes System (~30 GB / 250M rows) and Pro Extended Aisle (~2 TB / 6M rows), enabling visibility into key B2B sales and margin metrics
- Cut Pro Extended Aisle runtime from 4 hrs to 45 mins, delivering start-of-day reporting instead of mid-afternoon and improving operational responsiveness
- Upgraded Quotes System refresh from daily to every 30 mins, accelerating insights for sales, pricing, and finance teams
- Identified negative-margin quotes during pricing issue, preventing \$3.7M in losses
- Built and maintained Spark (Python/Scala) jobs; troubleshot multi-stage pipeline dependencies across Hadoop and GCP
- Created Confluence documentation (logic, consumers, lineage, ADRs) used by 5+ downstream teams
- Mentored new engineers and led internal sessions on GCP/BigQuery best practices
- Supported additional domains (CRM, Tool Rental, Blueprint) to ensure reliability and modernization success
- Partnered with data architecture teams to align pipelines with long-term platform strategy