Jalen Crowe

Nashville, TN · jalen.crowe@example.com · (615) 555-0168 · linkedin.com/in/example-jalen-crowe

My Key Qualifications

- Junior Data Engineer at **HCA Healthcare**, building and maintaining batch pipelines and ETL workflows in a hospital network since May 2025.
- Developed ETL workflows loading billing and operational data into a **SQL Server** reporting layer feeding 14 recurring Power BI datasets.
- Cut monthly pipeline failures **from 6 to 2** by adding row-count checks, null validation rules, and clearer error handling to scheduled jobs.
- Shortened average investigation time for reporting issues **from 90 minutes to 35** with source-to-target mapping docs and reusable SQL validation queries in Git.
- Capstone built a **dbt and PostgreSQL** cloud reporting pipeline, cutting dashboard refresh time from 4 hours to 55 minutes.
- Parsed sample **FHIR** resources into relational tables, loading and validating 18,000 appointment records with 98.7% field-level completeness.
- BS in Computer Science from Tennessee Technological University, 2025, with coursework in Database Systems, Data Mining, and Cloud Computing.

Experience

Junior Data Engineer — **HCA Healthcare**, a US hospital and healthcare services company

May 2025 – Present · 1 yr 6 mos

- Developed ETL workflows loading billing and operational data into a SQL Server reporting layer, writing SQL transformations, Python ingestion scripts, and validation queries for scheduled loads that feed 14 recurring Power BI datasets used by clinical operations and finance teams.
- Cut monthly job failures in a daily file-based ingestion process from 6 to 2 by adding row-count checks, null validation rules, and clearer error handling to scheduled jobs.
- Shortened average investigation time for reporting issues tied to source system changes from 90 to 35 minutes by building source-to-target mapping documentation and reusable SQL validation queries in Git-tracked workflows.
- Build and maintain scheduled batch pipelines in SQL and Python with guidance from senior engineers, and document source-to-target mappings, data quality checks, and workflow dependencies for reporting datasets across the hospital network.

Education

- **Tennessee Technological University** — Bachelor of Science in Computer Science · 2021 – 2025 · Relevant coursework: Database Systems, Data Mining, Cloud Computing, Software Engineering

Sample resume made with Specific Resume · specificresume.com

Projects

- **Campus Operations Warehouse Capstone**
  Built a cloud reporting pipeline and dimensional model for a campus facilities office, combining work-order and asset data for weekly Power BI dashboarding. Reduced dashboard refresh time from 4 hours to 55 minutes using Python, PostgreSQL, and dbt.
  Tech: Python, PostgreSQL, dbt, Power BI
- **FHIR Appointment Data Project**
  Parsed sample FHIR resources into relational tables for a mock outpatient scheduling analytics use case. Loaded and validated 18,000 appointment records with 98.7% field-level completeness.
  Tech: Python, PostgreSQL, FHIR

Skills

- **Data Engineering:** SQL, Python, ETL/ELT, Data Quality Checks
- **Databases & BI Tools:** SQL Server, Power BI
- **Workflow & Version Control:** Git, Jira

Sample resume made with Specific Resume · specificresume.com