



7 Cs Solutions, LLC

Service-Disabled Veteran-Owned Small Business (SDVOSB)

www.sevencssolutions.com

Position Description Data Engineer (Mid & Senior Level)

Location: Remote US

Employment Type: Full-Time

Citizenship: U.S. citizenship required

Clearance: Ability to obtain and maintain a Tier 2 / Public Trust background investigation

Compensation: \$85,000 – \$160,000 annually (commensurate with level and experience)

About 7 Cs Solutions

7 Cs Solutions, LLC is a dynamic, results-driven IT solutions provider delivering comprehensive and innovative services to local industry and state and federal government clients, with a specialized focus on cutting-edge Health IT solutions. As a Service-Disabled Veteran-Owned Small Business (SDVOSB), we combine mission-driven values with modern technology expertise to help our customers achieve measurable outcomes.

Position Summary

7 Cs Solutions, LLC is hiring Mid- and Senior-level Data Engineers to support an engagement with a federal government client. In this role you will design, build, and maintain the data pipelines, warehouses, and lakehouse architectures that power analytics, reporting, and decision-making for a mission-critical health IT program. You will work alongside data scientists, analysts, software engineers, and program leadership to turn high-volume clinical and operational data into reliable, governed, and accessible information products. We are filling roles at two levels: Mid-level engineers focused on day-to-day pipeline build and delivery, and Senior engineers who additionally lead architecture, set engineering standards, and mentor the broader team.

Key Responsibilities

- **Data Integration & ETL** — Design, build, and maintain data integration pipelines that collect, cleanse, and transform data from a wide range of clinical and operational source systems into analytics-ready formats.
- **Data Warehousing & Lakehouse** — Develop and maintain modern data warehousing and lakehouse solutions (data lakes, data lakehouses) for efficient storage, retrieval, and analysis of large datasets.
- **Data Modeling** — Apply modern modeling techniques — including Data Vault, Star Schema, and dimensional modeling — to design data structures that support advanced analytics, machine learning, and reporting.
- **Pipeline Engineering** — Build, test, deploy, and operate data pipelines using tools such as dbt and orchestration frameworks built on Directed Acyclic Graphs (DAGs).

- **Optimization & Performance** — Continuously tune data processing and storage systems for performance, scalability, and cost — enabling near-real-time access where required.
- **Data Security & Compliance** — Implement data security and access controls appropriate to sensitive program data; ensure adherence to applicable federal and industry compliance standards (e.g., HIPAA, FISMA, NIST 800-53) and support routine audits.
- **Documentation & Governance** — Create and maintain data models, data dictionaries, lineage, and runbooks to support transparency, reproducibility, and data governance.
- **Collaboration** — Partner with data scientists, analysts, software engineers, subject matter experts, and program leadership to ensure data infrastructure meets business and mission requirements.
- **Architecture & Standards (Senior)** — Lead end-to-end data architecture decisions across multiple projects; establish coding, testing, and deployment standards for the data engineering team.
- **Mentorship & Technical Leadership (Senior)** — Provide technical mentorship to mid-level and junior engineers, perform code and design reviews, and represent the data engineering function in cross-functional planning.

Required Qualifications — All Levels

- U.S. citizenship; ability to obtain and maintain a Tier 2 / Public Trust background investigation.
- Bachelor's degree in Computer Science, Data Analytics, Information Systems, Statistics, Mathematics, or a related quantitative/technical discipline (or equivalent experience).
- Proficiency with ETL/ELT tools, data integration platforms, and modern database management systems (relational and NoSQL).
- Strong proficiency in Python and SQL, with hands-on exposure to PySpark.
- Familiarity with Python data libraries such as pandas, Spark SQL, and DuckDB.
- Working knowledge of dbt and orchestration tooling built around DAGs (e.g., Airflow, Dagster, Prefect).
- Hands-on experience with at least one major cloud platform (AWS, GCP, or Azure) and modern cloud data warehouses (e.g., Amazon Redshift, Snowflake, BigQuery, Databricks).
- Experience designing data models using Data Vault, Star Schema, and other dimensional modeling techniques.
- Demonstrated experience building, testing, and operating production data pipelines.
- Working understanding of data security, data governance, and compliance frameworks applicable to federal and/or healthcare data (e.g., HIPAA, FISMA, NIST 800-53).
- Strong written and verbal communication skills, including the ability to explain complex technical concepts to non-technical stakeholders.
- Strong problem-solving skills and ability to work effectively in a dynamic, fast-paced, collaborative environment.

Experience Requirements by Level

- **Mid-Level:** Minimum three (3) years of professional data engineering or closely related experience.
- **Senior-Level:** Minimum seven (7) years of professional data engineering experience, including a track record of leading the design and delivery of enterprise-scale data platforms and mentoring other engineers. Knowledge of software development methodologies and processes (e.g., Agile, CI/CD) is required at this level.

Preferred Qualifications

- Prior experience supporting federal government and/or Health IT programs.
- Experience operationalizing machine learning pipelines and supporting data science workflows.
- Familiarity with healthcare data standards and terminologies (e.g., HL7, FHIR, ICD-10, SNOMED).
- Working knowledge of Agile delivery methodologies and collaborative tools (Jira, Confluence, GitHub).
- Existing active federal clearance (Public Trust, Secret, or higher).
- Relevant certifications (e.g., AWS / Azure / GCP data certifications, dbt Analytics Engineering, Databricks Data Engineer).

How to Apply

Qualified candidates should submit a resume and a brief cover letter outlining relevant data engineering experience — including the scale of pipelines, data volumes, and platforms supported — to 7 Cs Solutions, LLC. Please indicate which level (Mid or Senior) you are applying for. Only applicants who meet the citizenship and clearance eligibility requirements will be considered.

Equal Opportunity Employer

7 Cs Solutions, LLC is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, or protected veteran status.