

Job Title:	Data Engineer	Reports To:	Deputy Director/Chief Informatics Officer
Location:	Chicago	Travel Required:	
Level/Salary Range:	DOE	Position Type:	Exempt
HR Contact:	Claudria Hurt	Date Posted:	07/31/2019
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Applications Accepted By:

Email: careers@alliancechicago.org or Fax: 312.274.0069

Subject Line: **Data Engineer**

Job Description:

Position Overview:

Responsible for building out and migrating the AllianceChicago data warehouse to the Health Catalyst platform, and then expanding and maintaining the warehouse. This position has primary responsibility for the extraction of health information from diverse clinical and business sources and its transformation into objects in a standardized data model. These objects will be the primary source for quality and performance reporting activities for AllianceChicago, its members, stakeholders and user community or primary care delivery sites. The platform also supports research and grant reporting needs, queries for public health surveillance, and other deliverables. The data extraction work involves design, construction, and maintenance of modules using the Health Catalyst toolset. The work provides the data for analysts and presentation specialists working in Power BI, SQL, SSRS, Excel and Health Catalyst presentation tools, and benefits from familiarity with these technologies. Overall the position contributes to the design, build, testing, and maintenance of the AllianceChicago's data warehouse.

Essential Duties:

- Overseeing the initial load to Health Catalyst data lake, a process that will be staffed by Health Catalyst
- Working with AllianceChicago subject matter experts to design the rules to transform data lake data into standardized models of health data (Health Catalysts DOS environment) including encounters, problems, screenings, interventions, tests, and medications
- Acquiring from Health Catalyst the knowledge to implement the design of the data model
- Manage the transition and go-live from the current data warehouse environment based on Microsoft APS/PDW and SSIS extraction to the Health Catalyst environment
- Maintenance of the extract and transformation process
- Supports Alliance SQL query analysts, report writers and Alliance partners who perform data analysis from the DOS model or the data lake
- Works with query writers and report designers to resolves data issues with current reports.
- Is a member of the Alliance Data Warehouse team, and works collaboratively with its members and other stakeholders
- Oversees bringing new source systems into the Catalyst's Data Operating System
- Ability to dig into the data and understand business logic within the source system data
- Perform data validation tests to ensure extractions and transformations are true to the source

Required Skills:

- Intermediate to advanced level in Structured Query Language (SQL)
- Experience working with EMR\EHR systems and an understanding of the healthcare clinical domain
- Exposure to Extract, Transform and Load (ETL) concepts and processes
- Excellent analytical and troubleshooting skills
- Working knowledge of database principles, processes, technologies and tools

Other Requirements:

- Flexibility and ability to work with individuals of diverse backgrounds and educational levels
- Ability to function in a collaborative and collegial environment as a team player.
- Ability to coordinate and communicate effectively with other team members
- Ability to generate trust and build alliances with coworkers
- Self-motivated; comfortable working under general direction
- Strong sense of customer service to consistently and effectively address client needs
- Ability to work in variety of settings
- Detail oriented; highly organized; ability to prioritize and set expectations
- Strong technical writing skills and written communications skills
- Strong Analytical skills
- Ability to work independently to organize work in a manner that ensures accuracy and efficiency
- Familiarity with agile development process

Education/Training/Expertise:

- Bachelor Level preparation in computer, mathematical, information sciences or equivalent training – Master Level Preferred

Experience/Years:

- At least three years of experience with Microsoft SQL Server 2008 or higher including SSIS and SSAS, and familiarity with the MS BI stack. Familiarity with other data, analytic and reporting tools
- 5-8 years of experience in computer science or information science related field
- Experience with Relational Databases and data mining

Working Conditions:

- General office setting, extensive telephone and desk work at computer terminal
- May be required to lift, carry, bend, reach and stand with parcels up to 25 lbs.
- Will work in a close multidisciplinary team environment
- May interface with clients in various settings and may be working during on-site visits in clinical environments where medical equipment, chemicals and where communicable diseases and certain pathogens are present.

ORGANIZATIONAL OVERVIEW:

Founded by four partner Community Health Centers in 1997, AllianceChicago's three core areas of focus are Health Care Collaboration, Health Information Technology, and Health Research & Education. AllianceChicago supports the use of HIT to improve quality, efficiency, and access to services in a national network of community Safety Net health care organizations. The mission of AllianceChicago is to improve personal, community, and public health through innovative collaboration.

ADA Statement: The Americans with Disabilities Act prohibits discrimination and ensures equal opportunity for persons with disabilities in employment, state and local government services, public accommodations, commercial facilities, and transportation. It also mandates the establishment of TDD/telephone relay services.

EEO Statement: AllianceChicago believes that all applicants and employees are entitled to equal employment opportunities and maintains a policy of non-discrimination with respect to religion, color, sex, sexual orientation, national origin, age, veteran status, marital status, physical or mental disability, or any other legally protected class in accordance with applicable law, except where a bona fide occupational qualification exists. AllianceChicago will

comply with all phases of employment including, but not limited to, hiring practices, transfers, promotions, benefits, discipline, and discharge.

Disclaimer: The above statements are intended to describe the general nature and level of work being performed by employees assigned to this position. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel as qualified.