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Application Developer

Job Title: Application Developer
Location: Main Office, Phoenix AZ
Reports to: Senior Manager, Data Management
FLSA Status: Full-Time, Exempt

Summary

In support of the Health Information Exchange (HIE), the Application Developer is primarily responsible for developing OLAP cubes, reports, and dashboards. A secondary responsibility will be the development of software interfaces (scripts) to integrate disparate data stores (e.g. databases, portals, channels, etc.). The position involves working in interdisciplinary teams and with other analysts to support ongoing and planned database systems. This position is based in Phoenix, Arizona and local residence is mandatory.

Duties and Responsibilities as a Member of the Data Management Team

- Design, creation, and tuning of the organization's relational and dimensional databases.
- Database analysis and reporting activities to include validation and in-depth analysis of system efficiency and performance.
- Perform the extraction, transformation, loading (ETL), and validation of all data required to support the HIE business functions for data suppliers and consumers.
- Conduct evaluations of existing database technical architecture, capacity, normalization and quality. Additionally, make recommendations for new systems or system improvements.
- Prepare and present analysis and findings to leaders and interdisciplinary teams on the status of current systems and planned changes.
- Conduct root cause failure analysis.
- Perform other duties as assigned.

Qualifications

The requirements listed below are representative of the knowledge and skill sets required. Reasonable accommodations may be made for deficiencies in competence in a few essential functions.

Skills

- Strong skills in teamwork, reliability, and the efficiency of prioritizing work.
- Demonstrated knowledge of MS SQL, PostgreSQL, and an OOP language (e.g., C#, C++, Pearl, VBS, etc.).
- Experience with one or more Microsoft Business Intelligence tools (MS Visual Studio, MS BI Stack) preferred
- Working knowledge of relational and dimensional (OLAP) database design, creation, maintenance, tuning, and querying methodologies and techniques.



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- Ability to collect data, analyze the collected information, design algorithms, draw flowcharts.
- Experience with integrating disparate systems.
- Ability to translate documented business requirements into actionable tasks and execute those tasks.
- Experience leading teams; comfortable with a hands-on role and willing to do the essential tasks required to meet the company's goals.
- Strong written and oral communication skills
- Working knowledge of HL7 v2.x, HL7 v3.x, C-CDA and XDS.b standards and protocols, and HIE.
- Working knowledge of healthcare clinical codes sets such as LOINC, CPT, ICD, RxNorm, etc.
- Working knowledge of medical claims data formats to include CCLS, 835, 834, etc
- Ability to convey a strong presence and professional image.
- Ability to work independently as well as ability to effectively work in a team environment and maintain strong working relationships.
- Advanced knowledge of Microsoft Excel, Office 365 and Dynamic 365 are desirable.

Education/Experience

Master's degree preferred, 5+ years of experience in database development, implementation, assessment and integration. Data extraction transformation and loading experience within larger databases essential. Formal certifications such as MCSE Data Platform, MCSE Business Intelligence preferred.

Work Environment

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. This includes availability to work non-regular hours as necessary, ability to periodically drive to and from clients, conferences and events, and limited travel. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. The noise level in the work environment is usually moderate.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. An employee must occasionally lift and/or move up to 30 pounds. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. Specific vision abilities required by this job include close vision and ability to adjust focus. While performing the duties of this job, the employee is regularly required to stand, walk, sit, use hands, talk, and hear.