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Consulting Opportunity #0536 (External)

Project

The intention of this project (program) is to improve and enhance the Pharmacy Benefit Plan design-set up-maintenance lifecycle. It includes creating and enhancing our capability to manage the key information components of Plans, including Drug/Formulary, Program, and Pharmacy Network/Contract subject areas. Currently much of this information is managed in an ad hoc and unsystematic way which impedes the quality of plans (adjudication problems) and our ability to effectively measure and analyze plans to determine which designs are most effective.

The program will develop Master Data Management (MDM) capabilities for all of the above subject areas. It will also deliver applications and business processes to create and maintain PB Plans and their components. Finally, PB Plans developed with the new application and MDM's will be automatically set up in the client's adjudication engine, RxClaim.

The program intends to achieve greater efficiencies and quality in PB Plan creation via the systems and at the same time improve the client's abilities in the analysis of PB Plans by designing into the new set up process the capture of data that will enable the analysis process.

Resource Needs

Role(s): Data Architect

Responsibilities:

The Data Architect (DA) is responsible for analysis and modeling of information for the client. The DA will work at two 'levels'. At the project level, the DA is responsible for understanding the information needs of projects by developing information models reflecting those needs. The DA is responsible for guiding the project through the evaluation of data sources (existing or new) that are part of the solution, and helps define the requirements for moving of data (e.g., via data services). The DA is responsible for developing 'canonical models' of data in motion for projects, i.e., data as it appears in service interfaces.

At the enterprise level, the DA is responsible for creating, maintaining, and utilizing enterprise models that establish the standard models for various information concepts of the enterprise. As new concepts are developed in projects, the DA is responsible for harvesting those ideas into the enterprise standards for reuse by subsequent projects. The DA also works with Business Architects to maintain an up to date inventory of data sourcing mechanisms (file feeds, services, etc) to ensure that appropriate sources are being utilized and managed.

The DA role also includes accountability for standards, Architecture compliance, and the collaboration on design, population and governance of metadata. DA's collaborate with Data Stewards.

The Data Architect will also have the following responsibilities:

- Lead analysis sessions to determine data requirements and data models
- Analyze data requirements of projects
- Develop data models defining the business data requirements of projects
- Work with Business Analysts and Solution Architects to ensure that alignment of data deliverables with other project deliverables
- Work with Data Stewards to ensure data models reflect terminology and definitions of the data governance program
- Evaluate data management gaps
- Assist in the development of database designs
- Create and maintain enterprise level, standard data models
- Create and maintain standard models of data in motion (canonical models)
- Ensure that all models and deliverables adhere to enterprise standards
- Assist in evaluation of data sources
- Assist in source to target mapping
- Identify and document data quality gaps
- Create, maintain, and utilize metadata
- Evaluate the data management capabilities of vendor packages
- Assist in the creation and application of data standards

Personality:

- Self-learner and starter. Ability to proactively develop results.
- Communication skills. Effectively leads meetings and analysis sessions. Strong ability to distill and summarize key issues. Effectively and appropriately communicates decisions, issues, outcomes, etc.
- Organizational skills. Organizes their own work as well as meetings and working sessions. Captures issues, requirements, next steps, etc. Ensures that work time is used effectively.

Logistics

Start Date: 3/1/2011

End Date: Initially 8 Weeks with possibility to extend

Travel requirements: Local to Twin Cities

Experience/Skills/Tools (show required or preferred as Y or N):

#	Experience/Skill/Tool	Years of exp.	Date Last Used	Required? (Y/N)
1	Data modeling skills. Understands the concepts of data design. Has experience using modeling tools.			Y
2	Process and use case modeling skills. Understands the concepts of process and use case models. Has experience using modeling tools.			N
3	Analytic skills. Conceptualizes the entire problem in scope. Understands the dependencies and inter-relationships of the component parts of the problem and solution. Effectively identifies issues.			Y
4	Ability to balance opposing viewpoints and to develop optimal solutions.			Y
5	SQL			N
6	XML Schema			N
7	XPath			N
8	Data Governance			N
9	Data Analysis			N
10	Siperian			N
11	InfoSphere Data Architect (formerly Rational Data Architect)			N