



**INFORMATION IMPACT
International, Inc.**

**Position Description
February 26, 2010**

Closing Date:

<http://www.infoimpact.com/jobpostingcenter.cfm>

Job Title: Data Architect

Company: YMS Associates

Location: Hoboken, NJ

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Description:

The Data Architect will apply principles, theories, and concepts to analyzing and modeling data in order to promote enterprise-wide sharing and management of those data assets. Candidates must be experienced in information and data exchange concepts and methods. The Data Architect will implement enterprise data governance and stewardship processes. The Data Architect will support data governance bodies including the formation, facilitation and scheduling of meetings and agendas for working groups. This person will work with data modeling and repository toolsets (including ER/Studio and other metadata management toolsets) in support of the development of data models and related work products. Experience with data flow and information flow modeling and concepts are required. Candidates must be able to work with business and technical subject matter experts to develop graphical representations of data and work flows from a business and system level perspective; and able to develop complete, thorough associated documentation of work flows, process steps and/or summaries as necessary.

Duties and Responsibilities (including but not limited to):

- Sets Data Policy and the technical solutions for the management, storage, access, navigation, movement, and transformation of data.
- Specifies recommended DBMS and ETL tools and technologies for structured and unstructured content.
- Creates and maintains the Metadata Repository.
- Creates a semantically rich business model of the enterprise problem domain that:
- Is independent of any technology solution Defines the Content of the business Compiles and maintains the Enterprise Schema across all applications.
- Enforces principles of good canonical data design.
- Examines and enforces opportunities to provide data reuse, balancing the issues of centralization and replication.
- Ensures the preservation of strategic data assets as applications and technologies come and go.
- Reviews the policies and work of the Data Base Administrators.

- Develop and maintain data models, data architecture, data management standards and conventions, data element naming standards and metadata standards.
- Produces information models that represent the business problem to be solved with regard to data content, data relationships and structure.
- Provide guidance and consultation to individuals and groups to ensure on-going projects are in alignment with the corporate data architecture.
- Designing stable and high performance application solutions with complex requirements and demanding specifications.
- Ability to understand business requirements and map them to the enterprise data and process models.
- Conducts research and development and provides recommendations for selection of data management tools.
- Provides input and consulting support on large-scale projects and road maps for compatibility with the enterprise vision.

Skills Required:

- Strong team work and collaboration skills
- Excellent Data Modeling and Data Analysis skills
- Extensive skills in design, development and maintenance of data models and its components Database Design and development
- Knowledge of performance tuning of Physical databases and conceptual understanding of the internal architecture of the underlying RDBMS
- Project planning and management
- Requirements Elicitation skills
- Data integration, Data warehouse/Reporting development and management
- Knowledge and skills in Dimensional modeling highly desirable
- Excellent communication, facilitation and presentation skills