1070 – Data Architect, SFDPH IT – Metrics, Analytics and Data Integration (MADI) Group

Department and Position Description:

The San Francisco Department of Public Health (SFDPH) has the mission to protect and promote the health of all San Franciscans. SFDPH provides direct services at Zuckerberg San Francisco General Hospital, Laguna Honda Hospital, Population Health clinics, Jail Health, community behavioral health and a network of primary care health centers across the city. Critical to the delivery of care, population health surveillance and healthcare outcomes for vulnerable populations are robust data platforms, comprehensive analysis and agile reporting.

The San Francisco Department of Public Health (DPH) has implemented an electronic health record, displacing a variety of smaller discipline specific applications. Under the direction of an IT Information Systems and Metrics, Analytics and Data Integration Manager, the Data Architect will collaborate with IT teams and management to devise a strategy that addresses business requirements to archive these legacy data and implement the foundation of an enterprise wide data warehouse.   In addition, this role will collaborate with the Population Health Division as DPH works to expand population health surveillance reporting capabilities.

The successful candidate is knowledgeable in enterprise data warehouse platforms and the ability to work with multiple archive sources.   This role includes the ability to build an inventory of data requirements, recommend strategies and data design to meet critical needs of DPH. This position is responsible to maintain a corporate repository of all data architecture artifacts and procedures.

This position includes seeking, logically examining, and interpreting information from different sources to determine database structural requirements and reviewing objectives with leadership after evaluating current systems. The data architect must have the ability and willingness to take ownership of work activities and ensure that they are completed accurately, efficiently, and in a timely manner.

Data Architect:

- Developing, communicating, and managing the data modeling and database design
- Data architect should understand the system development life cycle; software project management approaches; and requirements, design, and test techniques.
- Monitor, refine and report on the performance of data management systems
- Integrate new systems with existing warehouse structures
- Implement measures to ensure data accuracy and accessibility
- Strong analytical, technical, and troubleshooting skills
- Ability to understand organizational requirements and their impact on the technical aspects of a solution
- Ability to work in a complex environment

- Responsible for tracking tasks, defining next steps, identifying accountability owners.
- Ability to coordinate activities involving multiple staff, including vendors and subject matter experts.

Minimum Qualifications

Education:
An associate degree in computer science or a closely related field from an accredited college or university OR its equivalent in terms of total course credits/units [i.e., at least sixty (60) semester or ninety (90) quarter credits/units with a minimum of twenty (20) semester or thirty (30) quarter credits/units in computer science or a closely-related field]; **AND**

Experience:
Seven (7) years of experience in system administration, information systems development, maintenance and support, or information technology project management, including two (2) years of supervisory experience. Additionally, two (2) years of these experience should be in the area of Healthcare Information Technology.

Substitution: Additional experience as described above may be substituted for the required degree on a year-for-year basis (up to a maximum of two (2) years). One (1) year is equivalent to thirty (30) semester units / forty-five (45) quarter units with a minimum of 10 semester / 15 quarter units in computer science or a closely related field.

Supervisory experience may differ from Managerial experience as outlined by the San Francisco Department of Human Resource. Please see the URL below.

http://sfdhr.org/sites/default/files/documents/Classification-and-Compensation/Classification-Levels-Manager-Supervisor.pdf

Desired Qualifications

- Epic Clarity or Caboodle Certification
- Proficiency with SQL and relational database concepts
- Familiarity with Epic applications and database structure
- Familiarity with cloud storage and analytic tools
- Proficiency with basic word processing and presentation applications (i.e. MS Office: Word, Excel, PowerPoint) required. Knowledge of flow diagramming applications and collaboration platforms, (i.e. Visio, SharePoint).
- Knowledge of Lean fundamentals including, but not limited to, A3 thinking, Value Stream Mapping and Kaizen events
- Working knowledge of applicable federal, state, local, and private laws and regulations in relation to the processes of the area of purview and electronic health records