UW HEALTH JOB DESCRIPTION

DataOps Engineer I

Job Code: 340014	FLSA Status: Exempt	Mgt. Approval: J. Long	Date: February 2022
Department: Enterprise Analytics		HR Approval: N. Lazaro	Date: February 2022

JOB SUMMARY

The DataOps Engineer I sits at the intersection of data warehousing, data engineering and information delivery. The DataOps Engineer I is responsible for the administration of the analytics platforms across the UW Health data ecosystem, leveraging a variety of DataOps, data warehousing and system administration methodologies and disciplines. The DataOps Engineer I implements and operates the analytics platform ecosystem including cloud-based technologies such as Azure and Databricks, industry leading business intelligence and visualization products, and industry leading analytics infrastructure platforms including Informatica and the Epic Cogito suite.

The DataOps Engineer I works closely with data scientists, machine learning engineers, analytic consultants, and other colleagues to:
- Deliver actionable analytics and insights throughout the health system, resulting in improved outcomes and value
- Promote and drive adoption of self-service information delivery capabilities
- Curate datamarts and other data assets that drive improved efficiency and ease of analysis
- Deliver leading-edge data science and machine learning solutions
- Ensure compliance with applicable data security and privacy policies, procedures, guidelines, and agreements

The platforms administered (cloud-based or on-premise) and related projects will be of low to moderate complexity and risk. The individual will implement and operate high reliability, highly automated analytic platforms across the data ecosystem which includes:
- Ensuring that the platforms are performing to full potential to guarantee the availability and performance of analytics solutions
- Executing prescribed opportunities for improvement and advancement of the analytic platforms
- Maintaining each platform on current release version and perform upgrades as appropriate
- Regularly reviewing platform configurations and controls for data access, data security, data sensitivity and data confidentiality
- Facilitating the SDLC process across the various analytic tools and environments which includes the release of data pipelines and analytic solutions into production

DataOps Engineer I is a valued contributor within UW Health IS. The DataOps Engineer I performs prescriptive work in a high-quality fashion while building their DataOps engineering and other competencies. The DataOps Engineer I may work independently on prescriptive tasks or with assistance on more complex tasks from other team members.

The DataOps Engineer I works closely with employees and leaders across UW Health, the UW School of Medicine and Public Health, and our partners.

MAJOR RESPONSIBILITIES

Deliver Analytic Solutions
- Ensure successful delivery to support strategic planning and initiatives, improve organizational performance, and advance progress towards UW Health goals.

  - Participate in the management and automation of the end-to-end the provisioning of environments, data on data platforms, deployment, testing, release, security and monitoring processes.
  - Participate in implementations, upgrades, updates, patches, enhancements, and customizations of the analytics systems in the data ecosystem.
  - Assess and make optimal use of cloud platforms and technologies, especially Azure and Databricks. Improve the performance, security and organization of data assets.
  - Identify and recommend hardware, software, and service upgrades where needed.
  - Ensure backups are being performed on the established frequency.
  - Monitor and improve the performance, efficiency, effectiveness, and orchestration of our analytics systems across the data ecosystem.
  - Provision access to analytics systems and data assets according to applicable policies and procedures.
  - Maintain an awareness and make recommendations regarding marketplace changes regarding our analytic systems.
  - Participate in the creation of standards, procedures, design patterns and technical frameworks.
  - Adhere to the Software Development Life Cycle framework and governance processes.

  - Independently (with minimal oversight) develop and maintain trusted advisor relationships with business, clinical, and operations leaders that include guidance for optimizing use of analytic capabilities and deliverables.
  - Ensure analytic systems have the necessary controls and compliance standards (such as HIPAA) regarding data access, data security, data sensitivity and data confidentiality.
  - Participate in an on-call rotation.

Improve Processes and Standards
- Participate in improvement teams and projects within Enterprise Analytics and IS.
- Contribute to the development and delivery of training relevant to your area of expertise.

Effective Team Member
- Collaborate with colleagues to drive continuous improvement within UW Health IS.
- Consistently demonstrate a very high level of teamwork, partnership and collaboration.
- Consistently demonstrate a very high level of personal accountability and lead by example in following policies and procedures.

Leadership
- Hold team-level responsibilities and may lead the team for small to medium-scale projects

Technical Leadership
- Develop increasing proficiency within DataOps engineering and additional analytic competencies with a concentration on cloud-based and Epic Cogito technologies. Successfully completes ongoing technical training.

ALL DUTIES AND REQUIREMENTS MUST BE PERFORMED CONSISTENT WITH THE UW HEALTH PERFORMANCE STANDARDS.

JOB REQUIREMENTS

Education	Minimum	Bachelor's Degree in Healthcare, Information Systems, Computer Science, Engineering, Business, Data Science or related field. (Four years relevant work experience may be considered in lieu of educational requirement)
	Preferred	Master's Degree in Healthcare, Information Systems, Engineering, Computer Science, Business, Data Science or related field.
Work Experience	Minimum	• None
	Preferred	• One (1) year of relevant process automation, data warehousing, ETL development, or other analytics experience in healthcare (provider or payor)
Licenses & Certifications	Minimum	• None
	Preferred	• Epic certifications in Cogito or other subject area • Relevant certifications related to data warehousing concepts and technologies, ETL development, or other pertinent areas of analytics. • Relevant certifications to process improvement, lean management, or other related activities.
Required Skills, Knowledge, and Abilities		Information Services (IS) Core Competencies: Emerging proficiency in the following: • communication • effective team member • critical thinking • mentoring and teaching • technical leadership of applicable products or platforms • leading without direct authority • leading highly empowered, self-directed teams including cross-functional teams • applying lean management tools • applying agile methodologies Position Specific Competencies: Emerging proficiency in at least 3 competencies such as: • Analytics Architecture • Big Data • Data Modeling • Data Querying • Data to Information to Action • Data Warehouse Administration • Enterprise Automation • Enterprise Security, Privacy, & Info Sharing • Metadata • Platform Administration • Software Development Lifecycle (SDLC) • Testing / Software Testing / QA • Web Services Other Required Skills, Knowledge, Abilities: Delivering Analytics Solutions

UW HEALTH JOB DESCRIPTION

	• Demonstrated ability to initiate and follow through on low to medium complexity projects, manage multiple tasks, and meet deadlines • Demonstrates professional maturity surrounding data access, data security, data sensitivity and data confidentiality

PHYSICAL REQUIREMENTS

Indicate the appropriate physical requirements of this job in the course of a shift. *Note: reasonable accommodations may be made available for individuals with disabilities to perform the essential functions of this position.*

Physical Demand Level		Occasional Up to 33% of the time	Frequent 34%-66% of the time	Constant 67%-100% of the time
X	**Sedentary:** Ability to lift up to 10 pounds maximum and occasionally lifting and/or carrying such articles as dockets, ledgers and small tools. Although a sedentary job is defined as one, which involves sitting, a certain amount of walking and standing is often necessary in carrying out job duties. Jobs are sedentary if walking and standing are required only occasionally and other sedentary criteria are met.	**Up to 10#**	**Negligible**	**Negligible**
	Light: Ability to lift up to 20 pounds maximum with frequent lifting and/or carrying of objects weighing up to 10 pounds. Even though the weight lifted may only be a negligible amount, a job is in this category when it requires walking or standing to a significant degree.	**Up to 20#**	**Up to 10#** or requires significant walking or standing, or requires pushing/pulling of arm/leg controls	**Negligible** or constant push/pull of items of negligible weight
	Medium: Ability to lift up to 50 pounds maximum with frequent lifting/and or carrying objects weighing up to 25 pounds.	**20-50#**	**10-25#**	**Negligible-10#**
	Heavy: Ability to lift up to 100 pounds maximum with frequent lifting and/or carrying objects weighing up to 50 pounds.	**50-100#**	**25-50#**	**10-20#**
	Very Heavy: Ability to lift over 100 pounds with frequent lifting and/or carrying objects weighing over 50 pounds.	**Over 100#**	**Over 50#**	**Over 20#**
List any other physical requirements or bona fide occupational qualifications:				

Note: The purpose of this document is to describe the general nature and level of work performed by personnel so classified; it is not intended to serve as an inclusive list of all responsibilities associated with this position.