UW HEALTH JOB DESCRIPTION

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Data Engineer III									
Job Code: 3400		FLSA Status:	Exempt	Mgt. Approval:		Date: February 2022			
Department: En	nterprise Analytic	s		HR Approval:	N. Lazaro	Date: February 2022			
JOB SUMMARY									
design, developm variety of data wa utilizing cloud-bas Data Engineer III learning engineer data science. Ini	nent and delivery of arehousing methor sed technologies s executes initiative rs, analytic consul-	of data pipelines dologies and disc such as Azure ar es throughout the tants, and other o be of significant o	and value-adde ciplines. The Da nd Databricks. E product lifecycl colleagues to bu complexity and ri	d data assets acros ata Engineer III prin Emphasizing agility e. The Data Engine ild or enhance rob	ss the UW Health narily designs, bu , partnership, and eer III works close ust systems with	Engineer III is responsible for the data ecosystem, leveraging a ilds and maintains these data assets cross-functional teamwork, the ely with data scientists, machine embedded artificial intelligence and trusted advisor relationships with a			
IngestioModelecAppropr	n of data from a m d data assets deriv iate data segment	nultitude of sourc ved from source station rules and c	e systems system data to p other data securi		alue	ng: e release of data to external entities			
The Data Engine solutions in a kno Data Engineer III processes and m	er III possesses a own or ambiguous leads team level lethodologies used	dvanced technic body of work. Th projects & initiativ d across multiple	al data engineer ne Data Enginee ves to drive valu projects and so	ing expertise. The r III defines the tec e delivered to the o lutions.	Data Engineer III hnical work in on organization. The	executes differentiated or expert e or more areas of expertise. The Data Engineer III improves			
	er III plays a leade serves as a mento				ovement teams to	enhance performance of the			
The Data Engine partners.	er III works closely	y with employees	s and leaders ac	ross UW Health, th	e UW School of I	Medicine and Public Health, and our			
		МА	JOR RESP	ONSIBILITIE	S				
prioritize	initiatives & proje ad roadmaps, deve ational performanc Leverage knowle techniques, tools Design, create, to	elop work estima ce, and advance edge and skill wit s, and platforms t est, deploy and n	tes, and ensure progress toward h a variety of da o transform larg naintain data pir	successful delivery s UW Health goals ta engineering, Da e quantities of data belines that deliver	/ to support strate taOps, and data v from multiple so curated, value-ac	delivery teams. Provide input to egic planning and initiatives, improve varehousing methodologies, urces. Ided data assets such as data marts ole, and contain low technical debt.			
0 0 0 0	Use knowledge of solution design a Advances the co Lead consistent a not limited to: lea and define custo documentation, of production, partice Independently (wo operations leade	of healthcare indu and development ntinuous integrat adherence to the ading planning se m transformation developing test p cipating in produce vith minimal over rs at the senior le	ustry, market en to execute high ion and continue software Deve essions, collectin is, aggregations lans, performing ction support. sight) develop a eadership level a	vironment, and clin equality or different bus delivery (CI/CE opment Life Cycle g and documenting , and other data ma unit testing, condu- nd maintain trusted	ical and business iated solutions in) model in Enterp framework and g g requirements, ic anipulations, deve ucting peer review advisor relations artners, that inclu	within Azure and Databricks workflows and activities, to inform an established problem space. brise Analytics overnance processes including, but lentifying design patterns, create eloping data pipelines, creating v sessions, migrating deliverables to thips with business, clinical, and de guidance for optimizing use of			
0	Ensure all delive access, data sec	urity, data sensit			ce standards (su	ch as HIPAA) regarding data			

• Participate in an on-call rotation.

Improve Processes and Standards

- Lead improvement in agility within UW Health IS
- Lead improvement teams and projects within Enterprise Analytics and IS.
- Lead the development and delivery of training relevant to your area of expertise.

Effective Team Member

• Formally teach and mentor IS staff in areas of expertise

Leadership

- Serve, where applicable, as the business relationship manager, delivery team leader, product manager or owner, or program leader for assigned areas and initiatives.
- Hold department-level responsibilities and lead large-scale projects

Technical Leadership

- Function as the department-level expert for in data engineering. Review the technical work of others.
- Lead the creation of standards, procedures, design patterns and technical frameworks within areas of the Enterprise Data Warehouse and other portions of the data ecosystem
- Curate and optimize the analytics asset repository in the corresponding business domain(s), including leading retirement projects of out-of-date assets, exploring new analytics technologies etc. to achieve efficiency and increase value delivered.

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) Master's degree in Healthcare, Information Systems, Computer Science, Engineering,					
		Business, Data Science or related field.					
Work Experience	Minimum	 Demonstrated success in designing, developing, implementing, testing, and operating large-scale, high-volume, high-performance data structures and other purpose-built data stores for analytics, reporting, machine learning, and data science with low technical debt Demonstrated success building robust, scalable, reliable data pipelines of high complexity Demonstrated success automating and/or continually improving ongoing data pipelines and reporting and analysis processes Demonstrated success prescribing technical designs and solutions when approached with an ambiguous problem or need Demonstrated success leading and coordinating cross-functional delivery teams to achieve desired outcomes within Enterprise Analytics Demonstrated success teaching and mentoring by contributing experience and insight to the team 					
	Preferred	 Five (5) years of relevant data warehousing or ETL development experience in healthcare (provider or payor) Three (3) years of experience with Epic Cogito technologies (e.g. Epic Clarity, Epic Caboodle) or other data warehousing and data transformation technologies (e.g. Azure, Databricks, Informatica, etc). Project management experience, including agile methods 					
Licenses & Certifications	Minimum	None					
	Preferred	 Epic certifications in Cogito or any other subject area Relevant certifications related to data warehousing concepts and technologies, ETL development, or other pertinent areas of analytics. Relevant certifications to agile methodologies, ITIL, process improvement, lean management, or other related activities. 					
Required Skills, Knowledge	e, and Abilities	 Information Services (IS) Core Competencies: Intermediate proficiency in the following: leadership competencies including leads with integrity, maintains strategic orientation, demonstrates business & financial acumen, champions innovation, manages execution and leads & develops people. technical leadership of applicable products or platforms leading without direct authority leading highly empowered, self-directed teams including cross-functional teams communication being an effective team member critical thinking applying lean management tools applying agile methodologies 					

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	mento	ring and teaching					
	Advanced profi	Position Specific Competencies: Advanced proficiency in at least 2 and intermediate proficiency in at least 4 competencies					
	 Big Data M Data M Data C Data C Data S Data to Enterp 	ics Architecture Ita Aodeling Quality - Analysis & Improv Querying Stewardship & Curation o Information to Action rise Automation rise Security, Privacy, & I					
	 ETL Metadata Software Development Lifecycle (SDLC) Testing / Software Testing / QA Web Services 						
	Delivering Anal Demon manage Demon	Skills, Knowledge, Abilitie ytics Solutions strated ability to initiate ar e multiple tasks, and meet strates professional matur ity and data confidentiality	nd follow through on very : deadlines rity surrounding data acce				
	cate the appropriate physical requirements of this		shift. Note: reasonable	e accommodations may			
	ade available for individuals with disabilities to perform the sical Demand Level	Occasional Up to 33% of the time	position. 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#			
			Over 50#	Over 20#			

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.