UW HEALTH JOB DESCRIPTION

Integration Engineer I

Job Code: 330035	FLSA Status: Exempt	Mgt. Approval: B. Larkworthy	Date: June 2024
Department: Information Services		HR Approval: M. Grayson	Date: June 2024

JOB SUMMARY

The Integration Engineer I supports the design, implementation, and management of system integrations, ensuring they are secure, functional, and efficient. They utilize a range of tools, technologies, and methodologies to facilitate data exchange between different systems that directly impact patient care and operational efficiency. This role requires a foundational understanding of integration technology, software engineering, networking principles, and cloud technologies to assist in implementing integrations for highly available and real time data exchange.

The Integration Engineer I addresses challenges of low to moderate complexity, often under guidance, while contributing to innovative solutions. The Integration Engineer I is expected to resolve technical issues with support and collaboration from more experienced team members.

The Integration Engineer I analyzes integration requirements, assists in developing integration solutions, and participates in the lifecycle management of integration projects. This includes helping to assess system interactions, supporting the design of integration platforms, and aiding in troubleshooting integration issues. The Integration Engineer I helps ensure security considerations are incorporated into the integration development process and integrations comply with established security standards to protect sensitive information. This role assists in monitoring and optimizing the integration environment to meet performance standards. The Integration Engineer I communicates with internal and external stakeholders, contributing to integration efforts that align with the organization's goals.

The Integration Engineer I collaborates with clinical and administrative staff, as well as external software vendors and healthcare organizations to help establish and support effective integrations. The work is important in connecting diverse healthcare systems, enabling data exchange, and supporting improved clinical and business outcomes. As a contributing member of the team and project initiatives, the Integration Engineer I delivers quality integration solutions within assigned domains.

MAJOR RESPONSIBILITIES

- Assist in designing, implementing, and managing system integrations across systems and applications, focusing on maintaining availability, security, and performance.
- Support the integration engine and API (Application Programming Interface) management platform, aiding in their configuration, maintenance, and optimization to promote efficient and reliable operation of integration processes and API lifecycle management.
- Contribute to the design of APIs with an intuitive structure so they represent data effectively and facilitate easy integration.
- Write code that is consistent with software engineering principles, methodologies, and best practices.
- Participate in the analysis of integration requirements, helping to translate business needs into scalable and maintainable integration solutions.
- Use established process to ensure all integration processes adhere to security standards, regulatory compliance, and accreditation requirements.
- Conduct thorough testing and quality assurance for integration solutions, helping to create testing scenarios, plans, and cases to ensure quality and reliability.
- Assist with the maintenance and optimization of the integration platforms and processes, monitoring performance and contributing to improvements to meet evolving business needs.
- Collaborate effectively with internal and external stakeholders.
- Contribute to documentation for integration systems, including system specifications, modifications, operational guidelines.
- Participate in integration projects with guidance from project management and technical teams.
- Troubleshoot technical issues, identify the cause, determine possible resolutions, and remediate issues in existing integrations.
- Participate in a 24x7x365 on-call rotation to support applications, promptly responding to incident notifications, and escalating them when necessary.

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

JOB REQUIREMENTS

Education	Minimum	Bachelor's degree in Computer Science, Software Engineering, Information Systems, or related field Four (4) years of relevant experience may be considered in lieu of degree
	Preferred	Master's degree in Computer Science, Software Engineering, Information Systems or related field
Work Experience	Minimum	• Demonstrated success learning new technologies, tools, and platforms

	Preferred	• One (1) years of experience in integration engineering, including system integration design, development, and management • Experience with healthcare data standards such as HL7, FHIR, and X12 • Experience providing on-call support for critical integration systems in a 24x7x365 environment
Licenses & Certifications	Minimum	None
	Preferred	• Certified Cloverleaf Developer • Epic Interface Administrator (Bridges) or other Epic certifications • Microsoft Azure Administration, Developer, DevOps, or related certifications • ServiceNow Administration, Developer, or related certifications • Professional Scrum Master, Developer, Product Owner, or related certifications • ITIL Foundation or related certifications • PMP
Required Skills, Knowledge, and Abilities		Information Services (IS) Core Competencies: Emerging competency in the following: • Communication • Critical Thinking • Effective Team Member • Agility Position Specific Competencies Emerging competency in the following: • System Analysis & Design • Data Flow Architecture • Software Testing • Continuous Improvement Other Knowledge, Skills, & Abilities: • Ability to work as a member of an agile development team • Ability to engage in cross-functional interactions • Ability to think abstractly and apply these concepts to concrete problems • Ability and desire to quickly learn and apply new technical knowledge and skills • Ability to adapt to new and changing technologies • Effective logical thought process for design and analysis • Outstanding analytical, critical thinking, problem-solving, and organizational abilities with attention to detail • Ability to receive prescriptive feedback

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#**

Other - list any other physical requirements or bona fide occupational qualifications not indicated above:	

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.