



Lumeo

Better insight. Brighter outcomes.

CUPE

REFERENCE#: 23-CUPE-93232

Applications will be accepted until 11:59 pm on 2023 April 6

Title: Senior Health Information Exchange & Medical Device Integration Analyst

Department: Lumeo Operations Team

Position #: 50070551

Hours of Work: Full-Time Position, Days

Pay Band: Band W - \$45.240 - \$50.130 per hour

Union: KHSC CUPE

Location: Virtual/Remote (with some regional travel)

Note: Kingston Health Sciences Centre is the employer of record.

Please note, this posting identifies the current shifts that apply to the position control number. However, this does not guarantee the permanence of the shift time or work assignment for the position. The Hospital reserves its Management Rights under the CUPE Collective Agreement to make changes to shift time and work assignment as it deems necessary.

PRIMARY FUNCTION

The six health-partners in the South East region recognize that to achieve person centered, effective care coordination across the system, enhance the ability to make best use of collective resources, achieve more system-like behavior, and have the agility to address future funding changes, a major, system-wide clinical transformation is needed. This clinical transformation will meet clinical information needs of both the health-partners and the region. Lumeo, a regional Health Information System will support the “*one standard of care and journey for the people we serve*” vision identified by the partners’ clinical leadership. This program opportunity will enable the sharing of information seamlessly across the six health-partners, connecting the personal health information into a single cohesive story and reducing the variability of care provided.

The Senior Health Information Exchange (HIE) and Medical Device Integration Analyst is responsible for supporting and maintaining the connectivity and data transfer between the HIE and the Regional Health Information System (RHIS) for the South East Hospital Cluster, as well as maintaining network connectivity of medical devices (including those that are bedside) to the RHIS. The Senior HIE and Medical Device Integration Analyst will coordinate the establishment of new connections, modify existing connections, troubleshoot connection issues, test HIE changes and solutions, and coordinate with other application teams to conform to HIE requirements.

Within this role the employee is accountable for contributing to the delivery of the Regional Health Information System (RHIS) strategy. As an employee, one must demonstrate an awareness of and be responsible for actively promoting and supporting patient and family centered engagement and care in all we do.

RESPONSIBILITIES & DUTIES INCLUDE:

Health Information Exchange Support- Provides HIE support as the primary analyst, coordinates problem resolution with other application teams, support enhancement and optimization of the system.

- Leads and coordinates development of HIE solution, including coding (ex. Cerner Command Language, HL7 FHIR (Fast Healthcare Interoperability Resources), interface engine-specific language), integration and interface configuration, aliasing within the RHIS system
- Troubleshoots HIE related issues, formulates resolution by testing and implementing solutions
- Analyzes incoming data streams and work in conjunction with technical staff to map and validate new or existing connections (i.e. Admission, Discharge and Transfers Notifications (ADT), Visit and Result data)
- Creates, manages, and updates a library of test scenarios consistent with organizational protocols to test new implementations and modifications. Testing scenarios include unit, system, integration, and regression testing
- Collaborates with subject matter experts to validate workflows, and develop solutions to conform to HIE requirements
- Participates in provincial special interest groups
- Reports out to internal stakeholders on progress of projects, escalate issues, and share mitigation strategies for risks

Management of Network Connectivity - Regularly monitor device connectivity to proactively address issues and ensure optimal performance

- Help local organizations to setup, configure, maintain, and troubleshoot the network connectivity of medical devices and bedside medical devices to the RHIS
- Use CareAware iBus tool to manage integration points
- Help local organizations with connectivity of Lab MDI, BMDI, FetalLink, ECG, Nuance to Millennium
- Collaborate with vendors to setup, configure, maintain, and troubleshoot medical device connectivity
- Maintain all solutions reliant upon Oracle Cerner integration, in the RHIS
- Learn and understand all clinical workflows that lead to data being sent from medical devices to RHIS
- Support software upgrades or deployment of new devices
- Provides on-call support, as needed

Project Management and Coordination – Leads projects focused on enhancing or optimizing the RHIS, executes all phases of the systems development lifecycle and works with the client to prioritize and select optimization projects. For example:

- Participates in project design, contributing technical insights and ideas
- Draft project scope and objectives, outlining requirement specifications and solution design
- Coordinates with multiple teams (external and internal) and stakeholders to agree upon health information exchange standards, conducts conformance/acceptance testing, and troubleshoots issues, as required
- Act as a liaison between vendors and client to ensure device requirements and expectations are accommodated appropriately
- Communicates with stakeholders to understand and document their unique business requirements
- Documents system issues and resolutions for future references
- Supports technical integration and reporting manager by providing relevant input into project work plan and resource plan for small to complex projects

Education and Learning - Acts as a subject matter expert of the Health Information Exchange, maintain a working knowledge of how different RHIS applications integrate and their relationship with other systems; basic networking theory and strong understanding of how the regional network operates; cross-trains on other clinical applications; maintains knowledge of technological advances; maintains knowledge of hospital workflows and operations that may impact the system.

NOTE - The above duties are representative but are not to be construed as all-inclusive.

BASIC QUALIFICATIONS:

- Undergraduate Degree in Computer Science, Computer Informatics, Health Informatics, or related discipline, or equivalent combination of education and hospital clinical system experience
- Minimum 4+ years of experience in/as HL7 integration specialist, developer, or a clinical informaticist with demonstrated aptitude for learning technical topics
- Knowledge and understanding of provider data structures (i.e., HL7, CDA) with particular focus on clinical data and clinical data aggregation, database structures, tables, and querying functions
- Experience with HL7 interfaces, electronic health records, clinical document architecture (CDA), and healthcare data
- Knowledge and understanding of
 - RHIS system and how Lab MDI/BMDI devices work
 - Basic networking theory and strong understanding of how the regional network operates
 - Technical or integration knowledge or experience
- Proficient in using Microsoft suite and analyzing large set of data using Excel
- Understanding of SQL and ability to query relational databases, preferred
- Ability to identify and analyze issues and provide solutions using problem solving and analytical skills
- Excellent prioritization, organizational skills, and project management methodologies, as demonstrated by the ability to manage own time and successfully complete multiple tasks and projects assigned simultaneously
- Ability to communicate effectively (both orally and in writing) with all levels of stakeholders and management to provide efficient customer service
- Demonstrated good judgment, decision-making and problem-solving skills
- Demonstrated ability to work effectively with little direct supervision and within a team

- Demonstrated skills in working with all levels of staff in an organization and the ability to work with external groups, agencies, and/or individuals
- Knowledge of principles and methodology of systems development life cycle
- Satisfactory criminal background check with vulnerable sector search

PHYSICAL REQUIREMENTS:

The applicant must be able to meet the physical demands of this position.

We thank all applicants, but only those selected for an interview will be contacted. The Lumeo Operations Team is committed to inclusive and accessible employment practices.

Please apply online at:

<https://career5.successfactors.eu/sfcareer/jobreqcareer?jobId=93236&company=KGH>

If you have any questions, please contact:

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