NON-CONTRACT ROLE DESCRIPTION

JD5795

ROLE TITLE:	Systems Designer	**ROLE DESCRIPTION NO.:**	5795
DEPARTMENT:	IM/IT - Systems Development & Transformation	**HEABC REFERENCE NO.:**	1872949
REPORTING TO:	Director or designate	**HSCIS CODE:**	05099
CLASSIFICATION:	NCEM/Range 8A	**JOB CODE:**	91787

ROLE SUMMARY

In accordance with the Vision, Purpose, and Values, and strategic direction of the Vancouver Island Health Authority (Island Health), patient and staff safety is a priority and a responsibility shared by everyone; as such, the requirement to continuously improve quality and safety is inherent in all aspects of this position.

The Systems Designer is a key member of the Systems Development team and is responsible for working within the Island Health enterprise architecture and software development methodologies to define a system configuration that supports solution requirements intended to support the organizations strategic goals.

The Systems Designer works closely with the solution business analysts, designers and developers to ensure that business requirements are fully supported by the system and align with the overall seamless nature of the regions business undertakings across disparate vendor or custom solutions.

DUTIES AND RESPONSIBILITIES:

1. Leads any number of team members undertaking the delivery and development artifacts intended to guide the successful delivery of the regions business and clinical solutions.

2. Works with Business Analysts and Solution Designers to ensure that business and process requirements are converted in to system specifications and comprehensive configuration and build plans.

3. Works with the Developers to initiate translation of the build specifications in to an actual solution.

4. Works with the test team, Developers and Solution Designers to test and confirm that developed solutions meet design, functional, performance and quality requirements.

5. Engages with the Enterprise Architecture Team to confirm technical approach to solutions and validate that delivered solutions fully meet requirements.

6. Participates in design sessions led by the Solution Designers by contributing expertise on system capabilities and limitations.

7. As a technical expert, leads the system designer component of solution delivery - taking the solution requirements, translating them to system specifications and defining the underlying system configuration necessary to be developed to support them. Leads by proving guidance and work direction to designated staff.

8. Works with Island Health partners and contractors to ensure that Island Health best practices are maintained for work performed by third party resources by comparing the outputs of third party resources against current Island Health practices.

9. Ensures the software development processes integrate with Island Health's best practice architecture, project and change management methodologies by comparing processes against best practice.

10. Mentors Developers and assists in scheduling/deployment of development resources to support multiple streams

of activities to achieve desired project outcomes.

11. Participates in the maintenance and growth of a Island Health body of knowledge in relation to software development and best practices by contributing to documentation.

12. Contribute to Island Health's quality and patient safety continuous quality improvement approach by identifying and implementing improvements to the software development processes.

13. Ensures that all development work is documented by performing a QA role in the development process. Ensures before work is considered complete that developers have documented how they constructed the solution.

14. Facilitates education sessions and on-the-job teaching of development team members.

15. Assists with the education and transition to operations of developed solutions from the development team to the operational support team.

16. Manages, schedules and leads staff on a daily basis, providing task assignment, vacation coordination and selects staff for assignment based on capabilities while assigned to them for various project streams.

17. Represents the Enterprise Architecture service and lead architect on various decision making bodies internal and externally facing.

18. Contributes directly to the decisions and policies that formulate the staffing needs to support and maintain product lines.

19. Selects, trains, coaches, and supervises the work of bargaining unit staff and manages Human Resource matters for staff reports including responsibility to discipline and discharge.

20. Manages team absences and participates in performance management and career development activities. Provides input and assists with conducting employee performance evaluations.

21. Interprets and applies the collective agreements for unionized staff and provides confidential labour relations support and information on unionized staff.

22. Performs other related duties as assigned.

QUALIFICATIONS:

Education, Training And Experience

A level of education, training and experience equivalent to a Bachelor's degree in computer science or health information science and a minimum of 7 years' experience as a software developer with a minimum of three years' experience with the Cerner Millennium system. Master's degree preferred.

A grounding in software development methodologies and a strong understanding of the Cerner Millennium system. Additional training/certifications in business processing including BPM and Lean, architecture methodologies, ITIL, software development, CMMI, project management (PMI, Prince), health informatics (CPHIMS-CA) is desirable.

Skills And Abilities

- Expert knowledge of the Cerner Millennium system including architecture, functionality, modules, and associated development tools.
- Knowledge of common healthcare related standards including SBAR, SNOMED, HL7 is desired.
- Ability to create and read UML diagrams, use cases.
- Ability to convert requirements in to system specifications that are further decomposed to discrete work packages to be developed as part of the system solution.
- Good interpersonal skills, including tact and diplomacy, in dealing with a variety of work situations, excellent facilitation skills.
- Demonstrated ability to establish and maintain good working relationships.
- Excellent personal organizational and time management skills.

- Proven ability to work in a dynamic environment with a variety of disciplines.
- Ability to handle multiple concurrent streams of work.
- Well developed listening and recording skills.