



POSITION TITLE: MiHIN Senior Integration & Technical Architect

POSITION REPORTS TO: Associate Director

POSITIONS SUPERVISES: May lead, direct and supervise the work of others

#### POSITION PURPOSE

This position is responsible for providing technical analysis, implementation, and support for integration activities related to MiHIN's existing and future services and to review integration products and specifications for appropriateness, completeness, security, and quality. This position is also responsible for working collaboratively with other MiHIN analysts, project managers, engineers, as well as external groups such as the State of Michigan information technology groups, qualified Sub-State Health Information Exchanges, and individuals or entities associated with the Nationwide Health Information Network.

#### ESSENTIAL FUNCTIONS AND BASIC DUTIES

The Senior Integration and Technical Architect relies on experience and judgment to plan and accomplish goals and performs a variety of complex tasks with a wide degree of creativity and latitude necessary to ensure that MiHIN Health Information Exchange (HIE) infrastructure is implemented and successfully operationalized. Specific examples include:

- Develop and maintain a deep understanding of MiHIN products, integration tools and techniques to support existing and future functionality.
- Develop and maintain a broad knowledge of health information exchange industry practices and trends, especially in the areas of standards, security and privacy.
- Lead technical and integration project management aspects of implementation, including determination and documentation of sub-state HIE, State of Michigan (SOM) HIE, and NWHIN business requirements for interface solutions.
- Responsible for 3rd party products and cloud based application utilized to enable MiHIN health information exchange solutions, or provide other supporting functionality.
- Analyze sub-state HIE, SOM HIE, or NWHIN-specific database setup and data files to identify potential solutions for MiHIN product configuration and workflow related to existing and future MiHIN HIE Use Cases.
- Implement configuration and identify product enhancements to meet sub-state HIE, SOM HIE, and NWHIN business requirements.
- Analyze requests for future Use Cases and exchange enhancements and write requirements and specifications; work with others who write Requirement Specifications.

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- Communicate with sub-state HIE, SOM HIE, and NWHINs, other MiHIN implementation analysts and MiHIN engineering to refine requirements and identify implementation approaches.
- Write or review both functional and technical specifications that describe the required integration needs in appropriate detail; collaborate with other MiHIN resources and partners in refining/finalizing functional specifications and ensure appropriateness, completeness, and quality.
- Perform quality assurance tasks and acceptance testing for product enhancements prior to sub-state HIE, SOM HIE, and NWHIN delivery; assist sub-state HIE, SOM HIE, and NWHINs in performing user acceptance testing.
- Work with identified MiHIN training resources, as needed, to insure that MiHIN staff and sub-state HIE, SOM HIE, and NWHIN training accurately reflects product functionality.
- Participate in regional or national forums to advance health information exchange standards, security and privacy best practices.

#### REQUIRED QUALIFICATIONS

- Prior experience with enterprise architecture and enterprise application integration technology and approaches.
- Deep knowledge of relevant technical issues and trade-offs at all levels of the OSI model.
- Fundamental understanding of contemporary internet technologies and web services architecture.
- Advanced knowledge of security and privacy standards and best practices.
- Bachelor's degree in computer information systems or related discipline or work experience.
- Demonstrated ability to write simply, clearly, and concisely.
- Self-starter and independent worker
- Must interact well with people at all levels of technical competency.
- Professional appearance and demeanor
- Strong analytical aptitude to derive data elements, relationships, and processing rules.
- Creative imagination to help design software and workflow solutions.
- Self-motivated, self-disciplined, self-directed and results-oriented
- Knowledge of MS Word, Excel, and VISIO.
- Able to work in high pressure situations when required
- Successfully prioritizing tasks and meeting project deadlines.
- Willing and able to travel occasionally.
- Ability to pass a background and history check in keeping with federal and state regulations.

#### DESIRED QUALIFICATIONS

- Advanced knowledge of informatics standards such as HL7, IHE, NwHIN Connect, NwHIN Direct, and the ONC Standards and Interoperability (S&I) Framework.
- Advanced knowledge of X-12 and HIPAA transaction sets; knowledge of XML, SOAP, and related technologies desirable.
- Any of the following security certifications: Certified Information Systems Security Professional, Certified Ethical Hacker, Certified Information Security Manager, Global Information Assurance Certification

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- Previous work with an HL7 interface engine and service oriented architecture design and implementation issues.
- Advanced knowledge of current security and privacy standards and requirements relevant to the health care industry including experience with digital certificates, PKI, secure transport, and related technologies.
- Knowledge of healthcare claims processing industry practices.
- Previous experience drafting electronic data interchange specifications or data sharing standards.

#### PERFORMANCE MEASUREMENTS:

- Appropriate knowledge of MiHIN products and tools for level.
- Initiative to seek out and learn essential information for position (MiHIN products, supporting 3rd party tools for data mapping, existing and evolving national informatics standards, security and privacy mechanisms, EDI & HL7 utilities and other data management tools)
- Self-starter and independent worker
- Timely and consistent response/turnaround of project deliverables
- Quality documentation that can be successfully utilized by other teams and groups
- Professional business communications (verbal, written and professional appearance)
- Conflict resolution
- Multi-tasking and successfully prioritizing daily duties with special projects
- Sub-state HIE, SOM HIE, and NWHIN/Customer/Staff satisfaction
- Demonstrates positive attitude toward company products and employees
- Promotes cooperative behavior and team efforts
- Maintain regular attendance during normally scheduled hours

#### NOTICE

**Must be legal to work in the United States and have the ability to pass a background and history check in keeping with federal and state regulations.**

**MiHIN does not discriminate in employment against persons based on age, color, disability, gender, gender identity/gender expression, genetic information, familial status, height, marital status, national origin, political persuasion, race, religion, sex, sexual orientation, veteran status, or weight.**

#### APPLICATION INFORMATION

**Please email a cover letter, resume, and three references with full contact information to:**

**[jobs@mihin.org](mailto:jobs@mihin.org)**

**Review will begin immediately as qualified candidate applications are received and continue until the position is filled.**