



Digital Health &  
Discovery Platform

## Solution Architect

### Digital Health and Discovery Platform

#### About this Opportunity

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We seek a highly proactive, motivated, collaborative, and knowledgeable professional who will lead the technical development of the Digital Health and Discovery Platform (DHDP). The Solution Architect will be involved at every phase of the project from intake through delivery. The successful candidate will not only lead the development of the DHDP Architecture and Platform roadmap but also play a key role in facilitating discussions to proactively ensure alignment with technical partners.

The DHDP is a scalable, multi-use platform to digitally-enable national and international collaboration to advance next-generation precision medicine technologies. The DHDP is funded (\$49M) from the Government of Canada's Strategic Innovation Fund Stream 4 program. The DHDP will apply state-of-the-art data governance principles and technology to transform collaborative research and stimulate commercialization from home grown research discoveries.

**The mission of the DHDP is to bring precision medicine and personalized care in cancer and neurodegenerative disease to Canadians through the application of big data and artificial intelligence.**

We are building a collaborative ecosystem that promotes innovation for the benefit of Canadians as well as developing a cutting-edge technological infrastructure, and a world-leading policy framework to accelerate scientific innovation in Canada.

#### Key Responsibilities

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Reporting to the Managing Director, DHDP and in close collaboration with DHDP technical partners, the DHDP Management and Technical Committees, and DHDP members, the Solution Architect will further the design, development, and deployment of the DHDP in pursuit of its future-state vision.

Fundamental responsibilities and accountabilities will include:

- Function as a trusted technical advisor that collaborates with industry, academic and technical stakeholders, informs direction, builds consensus, and mediates conflicts
- Facilitate discussions with stakeholders to proactively identify and define technical requirements of the DHDP
- Communicate with stakeholders to ensure an understanding of their needs.
- Develop and maintain the DHDP Architecture Vision Roadmap.
- Build a deep understanding of DHDP's ecosystem by analyzing the business environment, external drivers, and the strategy to inform functional and technological needs
- Support the delivery of collaborative architecture decisions for the technical infrastructure and application environments; facilitate and contribute to architecture decisions
- Support the development, maintenance and evolution of governance mechanisms that assure accountability, consensus, and oversight in the making of critical architectural decisions

- Participate in IT planning and delivery to assure alignment with key objectives, proposed deliverables and workplan of the DHDP
- Promote adherence to architecture standards, best practices, and principles to deliver solution with high performance, agility, reuse, etc.
- Develop, maintain, and evolve a mechanism to determine compliance of implemented solutions to their architectures and to assess technical debt where required
- Develop, maintain, and evolve relationships with the DHDP community, external organizations, and communities of practice
- Other duties as assigned

### **Our Successful Candidate**

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As our successful candidate for this integral role, you have architected large scale digital health solutions, and have expertise in data management and artificial intelligence. You demonstrate high standards along with strong and diverse collaboration and engagement skills/experience working with academic and industry partners. With the ability to quickly understand organizational dynamics and priorities, you are flexible, adaptable, exceptionally organized and can work effectively in a fast paced, results driven and multidisciplinary environment.

In addition, you must have/be able to demonstrate the following:

- University degree in a related field, along with 10+ years' related experience
- Hands on experience with architectural modeling, business requirements gathering/analysis, architecting data lifecycles and data flows, data integration, as well as data and information management architectures
- Knowledge of the Canadian health care system, health care data and health care data platforms
- Knowledge of artificial intelligence and the application of artificial intelligence in a health care setting
- Knowledge of current privacy and security standards for healthcare
- Knowledge of business models, operating models, financial models, cost-benefit analysis, budgeting, and risk management
- Knowledge of cloud computing, open-source development, and interoperability.
- Exposure and understanding of existing, new, and emerging technologies, and processing environments
- Proven ability to maintain both a strategic long-term outlook and enterprise/initiative perspective, while also supporting tangible, business-driven and IT-delivered solutions.
- Strong facilitation, negotiation, interpersonal, communication and collaboration skills.

### **Benefits of working with us**

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- Flexible schedule
- Paid vacation
- Paid sick days
- Extended medical and dental coverage
- Employee Assistance Program
- Group Registered Pension Plan after 3 months of employment

- A work culture that values excellence, creativity, teamwork, learning, fairness and integrity
- A passionate group of high-performing teammates across Canada

### **Join Us!**

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Please email your cover letter and resume by **February 23, 2024** to **hr@tfri.ca** with the subject line: **Solution Architect.**

The candidate must be authorized to work in Canada.

We recognize the importance of diversity and equity in our workforce and encourage all qualified applicants to apply, including Indigenous persons, women, persons with disabilities, minorities, and other underrepresented communities.

Salary range: \$95,000-\$125,000/year