Enterprise Data Architect

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Professional and Managerial Group

Enterprise Data Architect

Institutional Data Strategy Team and Special Data Projects

Position 1: Regular Full-Time
Position 2: Temporary full-time from October 1, 2020 to September 30, 2022

Applicants will be considered for both vacancies unless specified in the cover letter

Hiring #: 2020-0240

Please read the Application Instructions [1] before applying

Institutional Research & Planning (IRP), in partnership with Computing and Communication Services (CCS), is launching the development of an institution-wide data strategy with a mission to get quality data in the hands of decision makers in a secure and timely manner, enabling faster, more effective and evidenced based decision making across the University. The newly created role of Enterprise Data Architect presents a unique career opportunity to play a critical role in realizing this mission and supporting the strategic advancement of the institution.

Reporting to the Assistant Vice-President, Institutional Research and Planning, and directed by the program leadership, the Enterprise Data Architects liaise with senior IT and business leaders across the University to develop data and information architecture solutions that are aligned with the vision and strategy of the University of Guelph, and the goals and objectives of the programs, enabling optimal performance and reducing duplication, while providing stability and extensibility.

The Enterprise Data Architect is responsible for establishing the architecture and frameworks that facilitate access to and flexible sharing and exchange of enterprise data, providing strategic technical oversight for the brokering of data with enterprise systems, building of new data product solutions, and the maintenance of data environments for driving successful business solutions. The architect coordinates the movement, enhancement, integration, quality and availability of data throughout the enterprise while adhering to data governance policies and practices.

Requirements of this position include:

- Undergraduate degree in Computer Science, Computer Engineering, or a related field. Ideally education is combined with training and/or certification in architectural frameworks, such as TOGAF, or Zachman.
- Minimum 8 years’ experience working within large complex data ecosystems ideally in the educational sector with direct experience developing, implementing and advancing an institutional (or enterprise) data architecture.
- A proven track record operating within complex data ecosystems and designing and implementing enterprise data architecture, data management, enterprise systems and solutions ideally within a complex (distributed) business environment.
- Experience implementing a modern data architecture, that supports quantity and variety of data from sensors/internet of things (IoT), real-time streaming and analytics-processing frameworks and hybrid architectures
- Demonstrated achievements related to data analyzing, modeling and integrating data.
- Hands-on implementation experience with Cloud data platforms (e.g. Azure, AWS, etc.)
- Experience defining and applying data governance, ideally in a higher education environment.
Ability to educate and influence program stakeholders regarding goals, objectives and approach while collaborating and capitalizing on relationships to utilize their knowledge and resources to identify high quality solutions.

Expertise related to analyzing and critically evaluating information gathered from multiple sources, reconciling conflicts and deconstructing high-level information, while abstracting-up from low-level information to a more general understanding.

Knowledge of SQL, Business Analytics software (e.g. Tableau, PowerBI), ETL, ERP systems and Agile work management practices.

Demonstrated proficiency in basic computer applications, such as Microsoft Office software products as well as a deep understanding of algorithms, data structures, performance optimization techniques and solution development in a highly distributed team environment.

Sound understanding of relational databases (SQL) and non-relational databases and experience with large database systems.

This appointment is regularly performed on-campus but will be initially fulfilled remotely (off-campus) until the University resumes its regular operations.

Position Number         061-036 (Position 1); 061-TFT (Position 2)
Classification               P06*

*Tentative evaluation; subject to committee review.

At the University of Guelph, fostering a culture of inclusion [3] is an institutional imperative. The University invites and encourages applications from all qualified individuals, including from groups that are traditionally underrepresented in employment, who may contribute to further diversification of our Institution.

Posting Date: 2020 08 26
Closing Date: 2020 09 10

Keywords: current [4] opportunity [5]

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Links
[1] https://www.uoguelph.ca/hr/careers-guelph/how-apply
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