Staff Software Developer

We are seeking a Staff Software Developer with great experience and passion for assisting in developing and integrating software components into our informatics platforms. This position is located in Toronto, and you must reside in Ontario or Quebec (Timezone).

You, our ideal candidate, are looking for a multidisciplinary team of researchers and engineers who work in a dynamic and agile environment. You are prepared to bring your drive, your experience, and your passion to contribute at all levels.

You will have the opportunity to develop your skills in data handling, software implementation, and system integration. You will primarily help in designing, implementing, deploying, testing, and maintaining essential software components that will aid in growing our informatics platforms. You will work with a group of talented developers and technical staff to develop the pipelines that bring multidimensional data from a large variety of sources into the data platforms, and play an active role in evolving our products, processes, and data technology.

As a Staff Software Developer, you will help contribute to the software development process, participate in code reviews, and shape system design as well as provide leadership and guidance in all team development efforts for successful project delivery and platform support.

You should have a track record of supporting the implementation of technical solutions and be recognized as a solid contributor with a good grasp of the breadth and depth of your team's code base.

Required Experience & Technical Skills:

- **6+ years** of professional experience in software development across multiple technology domains.
- **Proficiency in Java and Python**, with hands-on experience in web frameworks such as **Spring Boot**, **Flask**, or **FastAPI**.
- Understanding of appropriate use of **microservices architecture**, **domain-driven design**, and **RESTful API development**.
- Experience with unit **testing, integration testing**, and familiarity with TDD/BDD methodologies.
- Working knowledge of event-driven systems using **Kafka**, and message queues like **RabbitMQ** (AMQP).
- Experience in **ETL pipelines**, data ingestion, and **data warehousing**.
- Good knowledge of object storage, relational (PostgreSQL) and NoSQL (Elasticsearch) database systems.
- Familiarity with **PostgreSQL**, **Elasticsearch**, and **object storage** systems.
- Hands-on experience with **containerization** and orchestration tools, especially **Kubernetes**.
- Understanding of **CI/CD pipelines**, version control (e.g., Git), and DevOps practices.

Soft Skills & Leadership:

- Excellent communication skills, both written and verbal.
- Proven ability to mentor junior developers, conduct code reviews, and lead technical discussions.
- Comfortable working in agile environments and managing multiple concurrent projects. Willingness and ability to work on multiple projects at the same time
- Strong problem-solving and decision-making abilities.
- Adaptable to change and capable of navigating ambiguity in fast-paced settings.

Education:

- Bachelor's degree in Computer Science or equivalent.