

JOB DESCRIPTION

Title of Position	Back End Software Developer
Department	R&D
Immediate Supervisor	Director R&D, Engineering
Location	Blainville

Summary of the Role:

As a member of the backend AI team you will design and implement a diverse set of software components that power our machine learning workflows.

The systems you build will have a large impact on the entire platform. This includes data processing, data discovery, annotation, and visualization. This also includes tools that help us automate the monitoring, validation, and productization of our data pipeline.

As an engineer on the AI team, you bring top-notch software engineering skills and can contribute to our tooling systems. Knowledge of machine learning, computer vision, or neural networks is a plus but not required as this can be learned on the job as you work with our machine learning experts. A strong candidate for the AI Tooling team will be an excellent software generalist, or someone who is exceptionally strong in backend engineering.

Primary Responsibilities:

- Design and implement correlation engine for IT cybersecurity monitoring.
- Design and implement user/entity behavior analytics engine in the context of cybersecurity.
- Design and implement large-scale data real-time processing pipelines that handle a diverse set of data such as cybersecurity logs, and human/entity behavior.
- Design and implement tools, tests, metrics, and dashboards to accelerate the development cycle of our data pipeline.
- Work closely with Front-End engineers to seamlessly integrate with backend systems.
- Work closely with AI researchers to support evolving research projects and implement new production features.

Required Qualifications and Experience:

- BS/MS in Computer Science or related area, with strong software engineering experience.
- 8+ years of experience with software engineering and development
- Experience with at least one major language (such as C++, Java)
- Strong knowledge of at least one programming language related to data engineering, such as Python. Scala (optional).
- Experience with big data systems such as Spark, Hadoop/MapReduce is a plus.
- Experience with cloud computing such AWS EC2/S3/RDS is a plus.
- Experience with Elastic Search or other scalable search systems is a plus.

- Experience with real-time data processing is a plus.
- Knowledge of machine learning, computer vision, or neural networks is a plus but not required
- Strong communication skills, attention to detail, and drive to deliver best-in-class software products
- Demonstrated experience designing, building and maintaining large-scale, high-performance systems and frameworks
- Experience with stream processing (e.g. Kafka, Flume, Storm, Spark Streaming)
- Strong understanding of data modeling and storage with NoSQL (ACCUMULO) and relational DBs
- Some experience with analytics (e.g. Spark, MapReduce) is a plus
- Take responsibility for the code you own and improve our codebase
- Conduct code review with your peers

We offer:

- Thorough in-house, expert training on cutting-edge technology
- State-of-the-art IT equipment
- Dynamic work environment in new and modern office
- Employee Referral Bonus
- Group insurance plan
- Team spirit and dedication to service excellence
- Sense of belonging to a global, brand-name organization