



Job Opening: IoT Data Engineer

Are you obsessed with building large reservoirs for big data, finding efficient methods of processing data, and providing data in ready-to-use formats? Do your coworkers look to you to solve data-related challenges or issues? OneEvent Technologies develops software systems that monitor building and home environments, generating life- and property-saving insights. OneEvent is the creator of OnePrevent, a preventive monitoring system with the predictive analytics engine embedded inside a series of sensing devices to showcase the potential of the modern safety solution in protecting buildings, assets and occupants..

OneEvent is located in Mount Horeb, WI and is one of the premier companies in the area that's applying new analytics to smoke, CO, humidity, temperature and water alarms, along with occupant sensors, to provide building owners with the most important information needed to keep their buildings safer and more comfortable. Our patented software provides continuous multisensor monitoring capabilities and transmits timely information to property owners, preventing or reducing property damage, injury, and loss of life during fires and other catastrophic events.

Our ideal candidate is someone who feels they are a data junkie, and can't walk by a sensor without wondering how much data is being collected and how it's being structured. Someone who is obsessed with extracting value from data sets, no matter how large, and is great at providing data in ready-to-use formats.

Required education and experience:

- BS or MS Computer Science, and/or Information Management
- 3+ years related work experience

Responsibilities:

- Gather, collect and build reservoirs for related data
- Architect databases and data processing systems
- Develop, test and maintain those systems
- Analyze data and enable machine learning processes
- Model processes for analysis and optimization
- Create batch processing or realtime processing on the data
- Create data pipelines to serve up the data through APIs for easy manipulation by data analysts and data scientists
- Review & understand current data system architectures
- Design & suggest improved data system architectures for data processing & scaling
- Implement real-time data streaming processes in Python or Scala
- Implement batch processing at scale in Python or Scala

- Optimize data storage strategy to reduce costs and improve data access time
- Manage databases including Cassandra, RedShift, MS SQL, and others
- Implement in-memory data storage for most recent data stores
- Create APIs for easily accessing data from downstream applications or services

What we require:

- Experience manipulating both structured and unstructured data sets
 - Proven ability to work with error logs and error handling systems
 - Success creating and maintain system monitoring metrics
 - Experience building deterministic and fault tolerant pipelines
 - Ability to see forward and architect scalable systems
 - Track record of integrating various data types
 - Experienced in database administration
 - Experienced in data cleansing
 - Can do attitude, positive, and willing to overcome technical challenges
 - Innovation, excitement, and creative - out of the box thinker
 - Organized, detailed orientated with an ability to prioritize time-sensitive assignments
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- Experience manipulating data with Dataframe structures, particularly in Python or Scala
 - Experience with Pandas Dataframes joining unassociated datasets
 - Experience with Relational, NoSQL/Document, and Graph databases

Applicable programing languages and tools you should know or desire to learn more about:

- C#, Java, Python, Ruby, Scala and SQL
- REST orientated APIs
- Spark
- HADOOP (MapReduce, Hive, Pig, etc.)
- NoSQL databases (Cassandra, MongoDB, etc.)
- Data warehousing solution

The details:

You'll work with a skilled team of data scientists, data analysts and software developers who are defining the future of protecting homes and businesses with sensors. Your interest in sensor data and the management of that data will make you a highly valuable candidate.

OneEvent is located in the small midwest town of Mount Horeb, Wis. Although the ideal candidate would work in the office on a daily basis, we are also considering off-site candidates to join our team. We encourage all onsite and offsite employees to participate in daily discussions using web-based video tools, and to demonstrate project progress using web-based collaboration tools. To facilitate personal employee relationships, we will expect offsite employees to be on site in Mount Horeb on a quarterly or biannual basis.