Assignment 8: Build an End-to-End loT System

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System Functionality

Databiz to MongoDB

When active Dataniz sends information about its devices to MongoDB and MongoDB stores it in its database

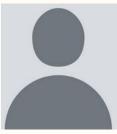
User to server

We connect to our TCP server and client using python. We then tell the server which query we want.

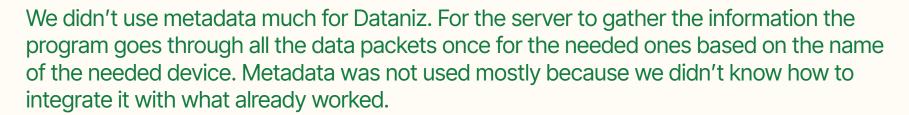
Server to MongoDB

After receiving the query from the user, the server requests and receives the data from mongodb. It then calculates the needed data and displays it to the user.





Metadata Utilization



Challenges Encountered

The small things (a cog in the machine) & not knowing

 Knowing how much data (min, max)→desired works, then checking if it works does not], then rinse and repeat

Having to clear data, then make more. Specifically the one in the 'past 3 HRS'

Dataniz feedback

Dataniz is a complex platform that needs visual tutorials on how to use the website on certain parts. EX: playing with min, max, desired values and seeing what works.

Also Metadata

Things need to have more detailed explanation on usage.



