

## Individual Weekly Report

**Name:** Josh Werner

**Team:** Bray IIoT Smart Solutions

**Date:** 03/17/2025

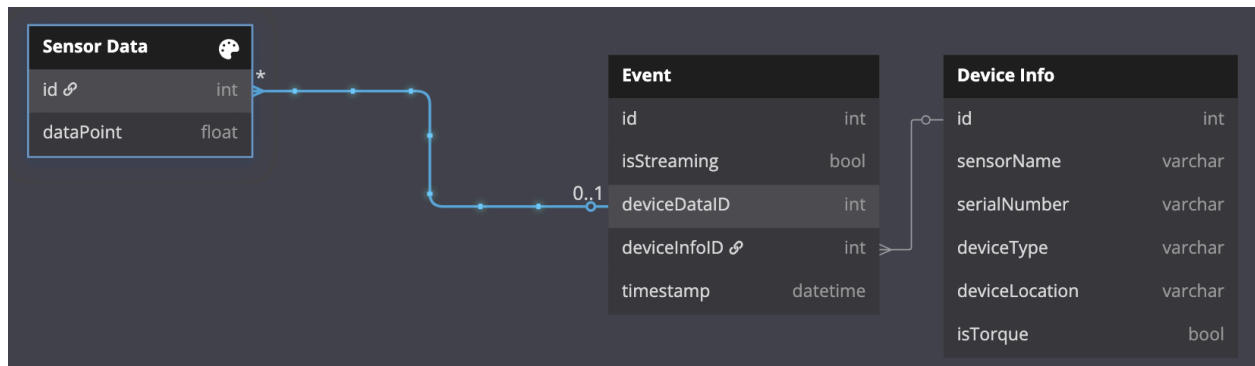
### Current Status

1. What did you **personally** work on this past week?

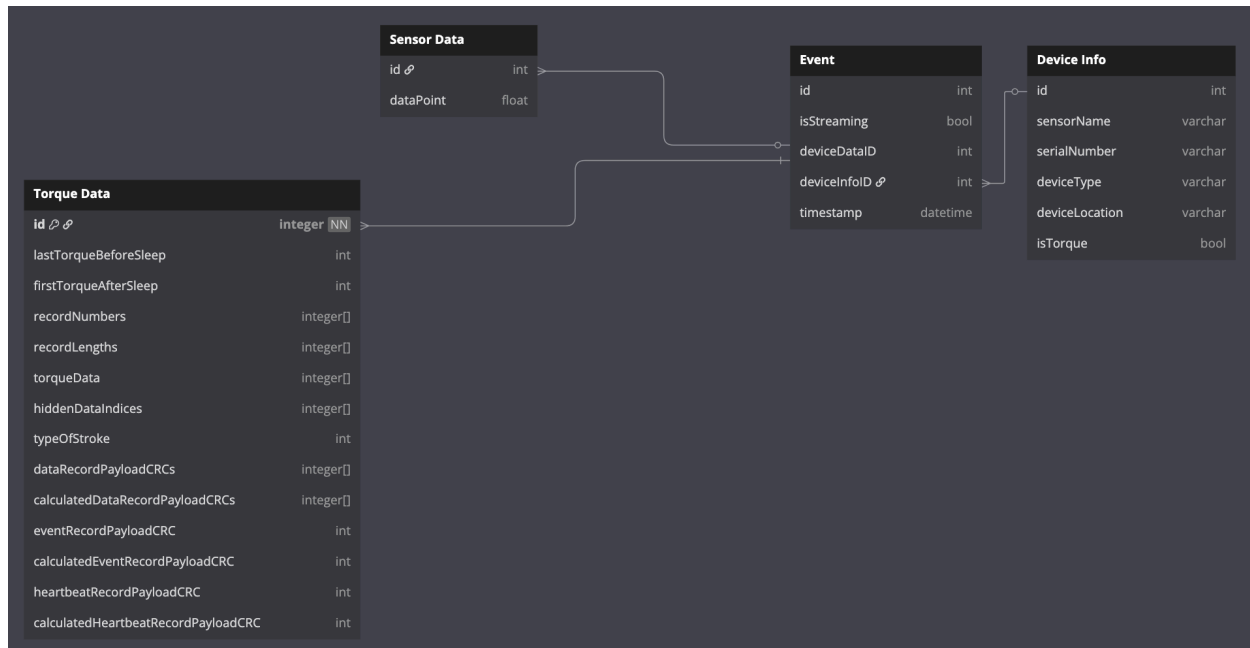
Task	Status	Time Spent
Database Design	Done* (New hardware component will require adjustments this coming week)	3 hr
Understanding previous teams work	In Progress	2 hr
Python programming refresh	Done	24 hr

Include **screenshots/graphics** to illustrate what you did this past week:

Updated and simplified database design for our web application\* (Will likely need to make significant adjustments to collect torque sensor data from torque data spoofer hardware received last week)



Potential DB update for implementing torque sensor



2. What problems did you run into? What is your plan for them?

A big problem that we ran into this week, is that we received a new hardware component, a torque data spoofer that is required for the firmware to work properly. Given this, it would be ideal for us to collect and display this spoofed data in our web application. Though this is a secondary thought process as our main goal is to gather and display the external sensor data

3. What is the current overall project status from your perspective?

The project is behind but we are slowly digging our way out of the mud. Hopefully from this point forwards we have no significant changes and can say our progress is forward progress instead of sideways progress.

4. How is your team functioning from your perspective?

The team is working together fine, however, I think this goes for all members of the team. The biggest problem area is dedication to the project. We all have other responsibilities outside of this project but hopefully we can all dedicate ourselves to completing the project with the time we have left.

5. What new ideas did you have or skills did you develop this week?

Experimented with database design and furthered my understanding of these principles, improved my skills in python programming.

6. Who was your most awesome team member this week and why?

Aysen De La Cruz, he spent lots of time working towards understanding the firmware and has made a potential breakthrough to allow us to proceed in that direction with less friction and frustration.

### Plans for Next Week

What are you going to work on next week?

Since we have a torque data spoofer, I am going to test the old team's code and see if it works with this spoofer. Along with this I will implement the backend updates with the goal of having frontend-backend integration by next week with only dummy data.