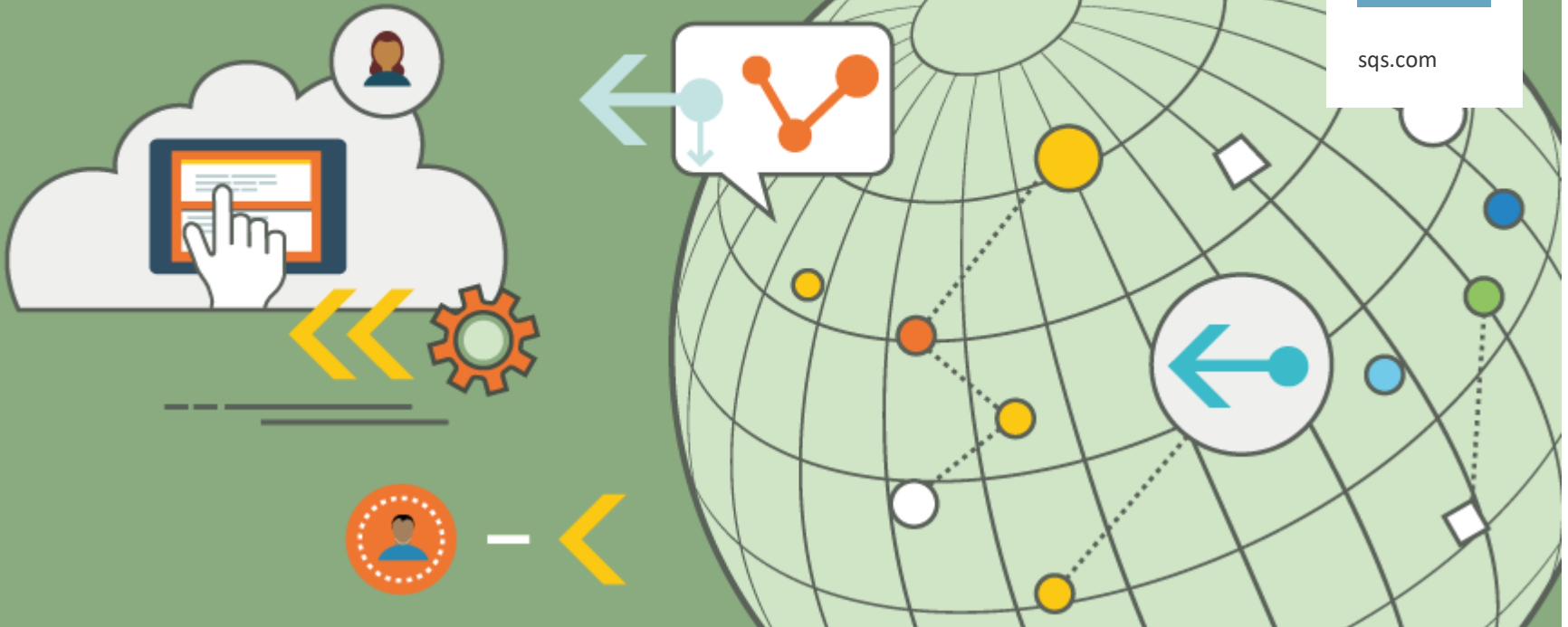


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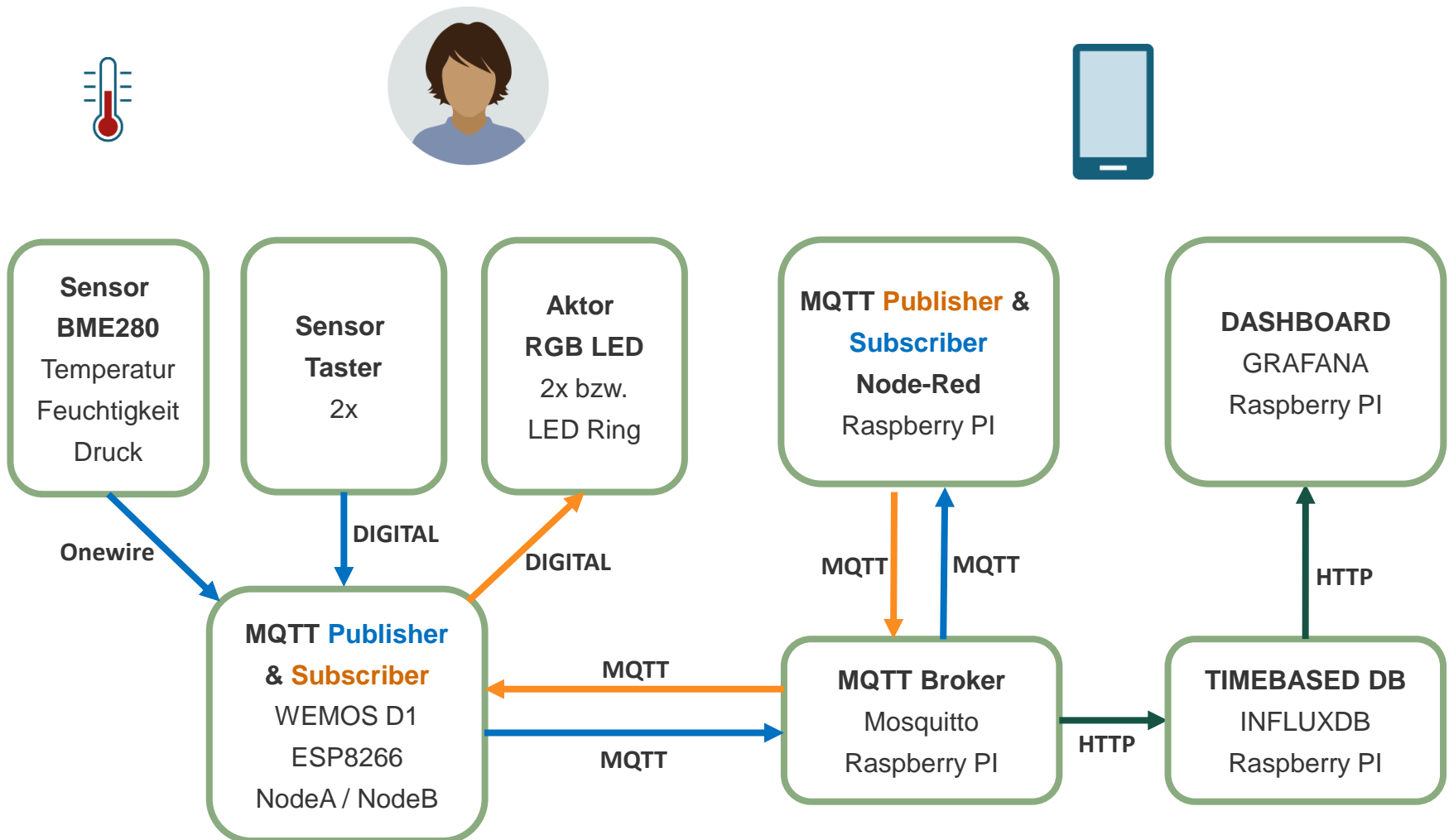


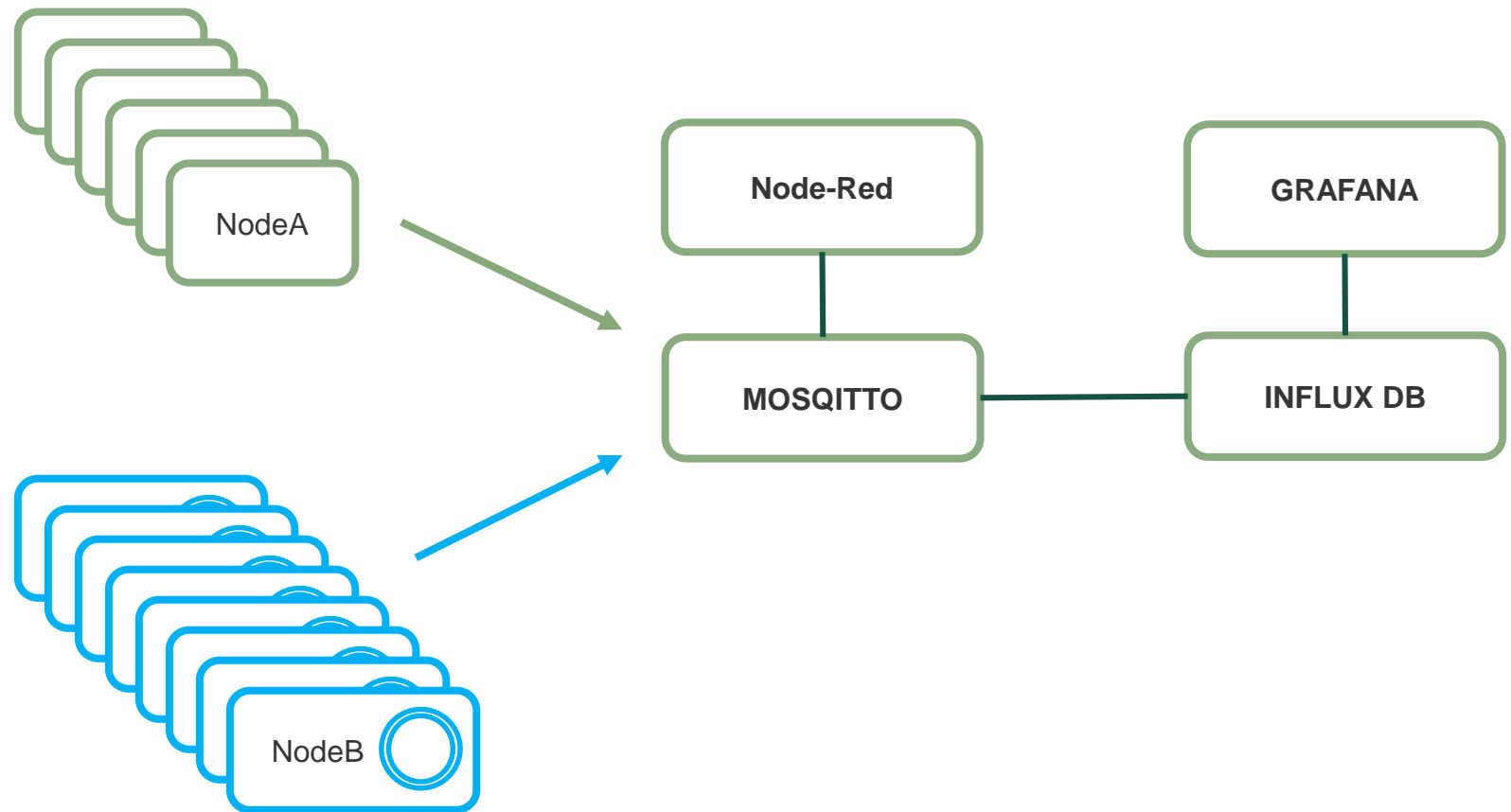
[sqs.com](https://sqs.com)



# IoT-Hackathon

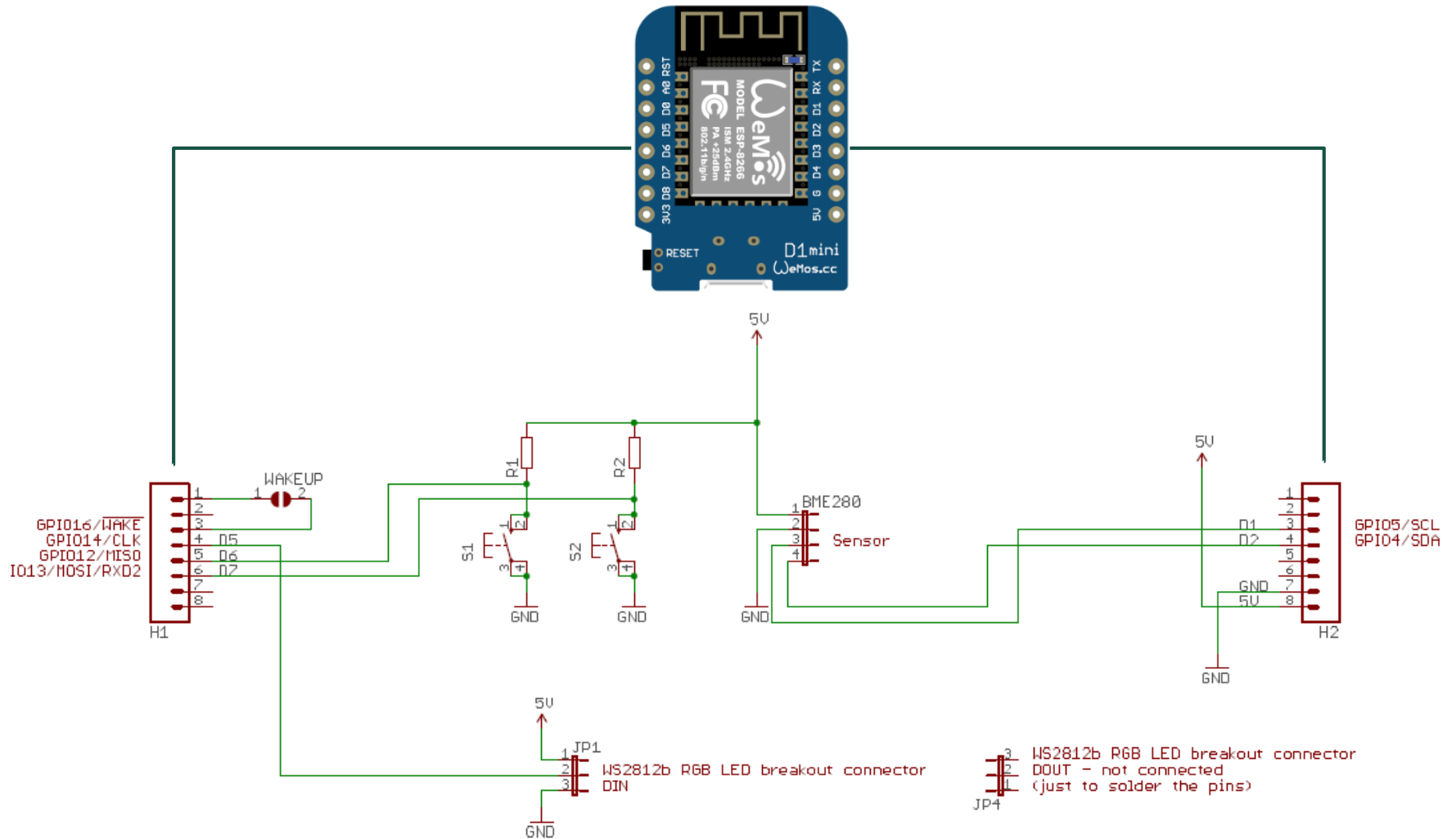
# Systemübersicht

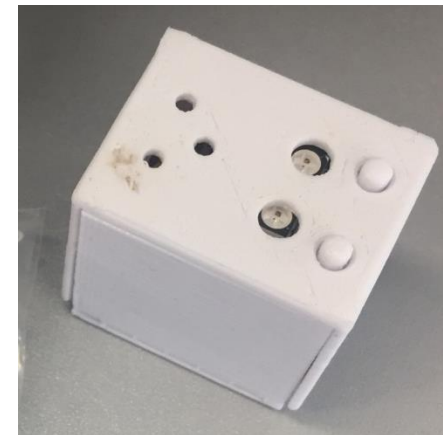
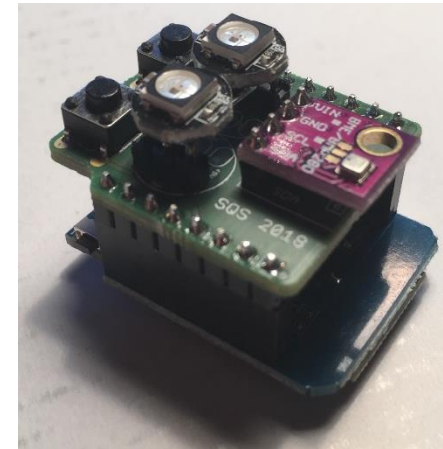
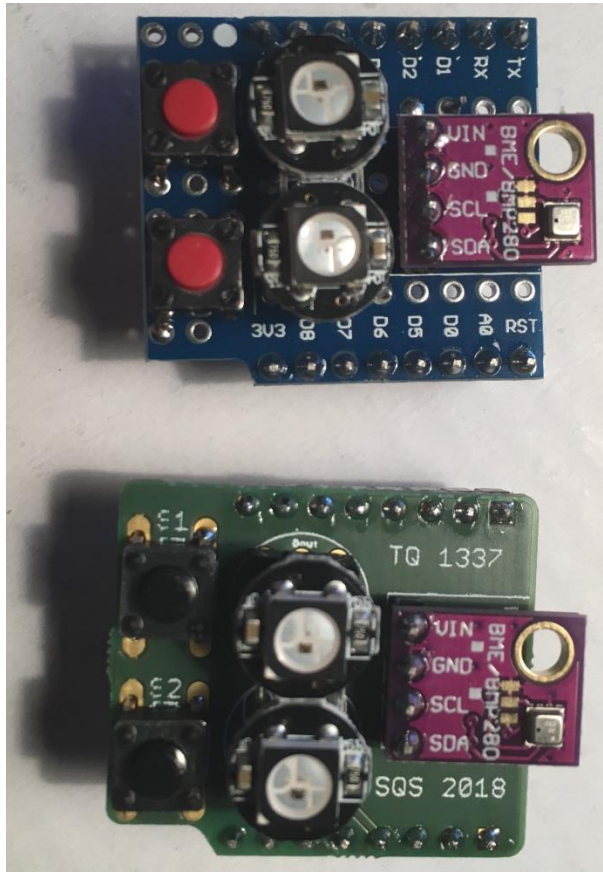






## Node A - Hardware

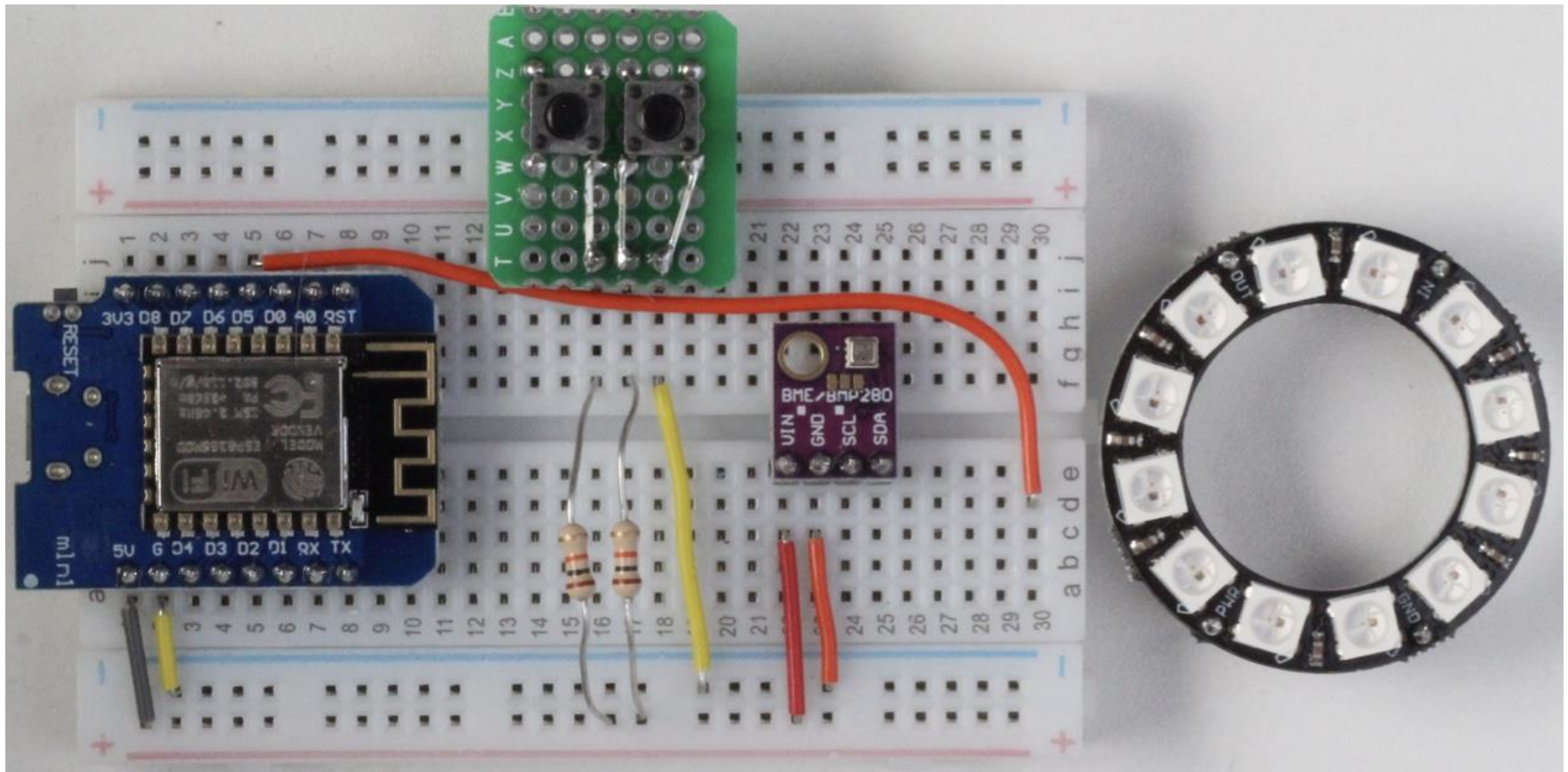




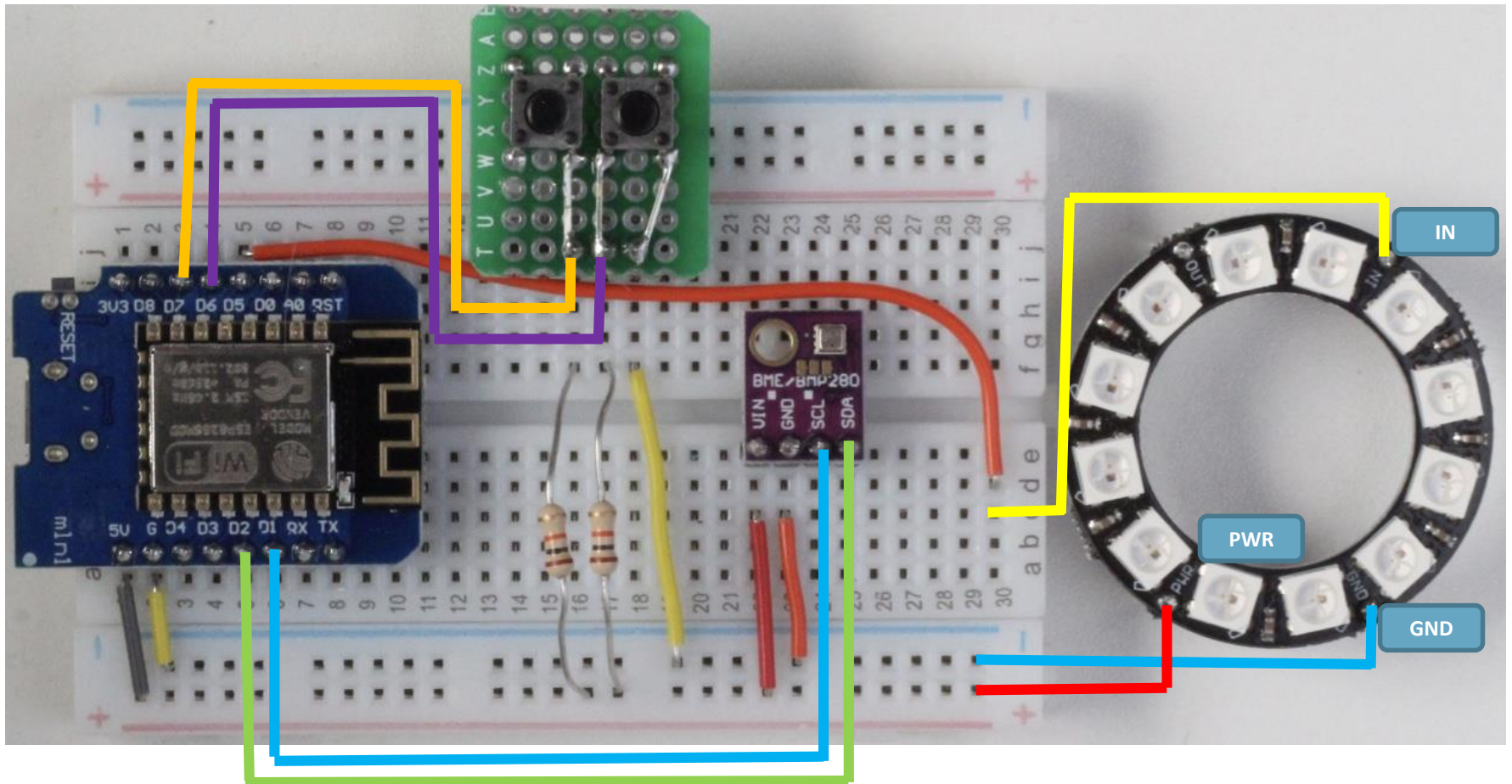


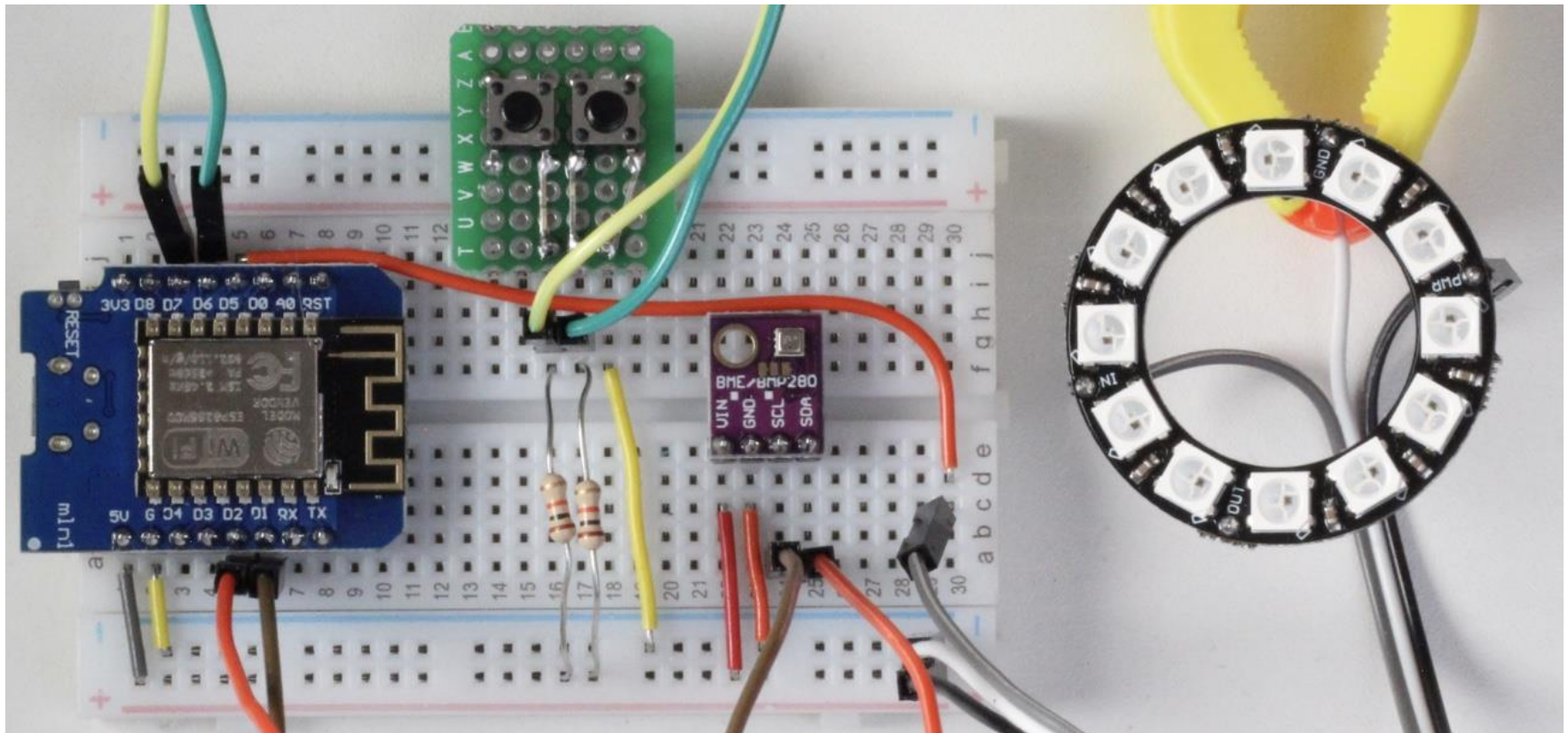
## Node B - Hardware













# Software

# Programmierung mit der Arduino Entwicklungsumgebung

A screenshot of the Arduino IDE interface. The title bar reads 'nodeBtest | Arduino 1.8.5'. The menu bar includes 'Datei', 'Bearbeiten', 'Sketch', 'Werkzeuge', and 'Hilfe'. The toolbar contains icons for opening, saving, and running. The main editor area shows a sketch named 'nodeBtest' with the following code:

```
/*
 * Used libraries
 * - BME280 v2.3.0 by Tyler Glenn (https://github.com/finitespace/BME280)
 * - FastLED v3.1.6 by Daniel Garcia (https://github.com/FastLED/FastLED)
 *
 * to install: Sketch -> Include Library -> Manage Libraries -> Search
 */

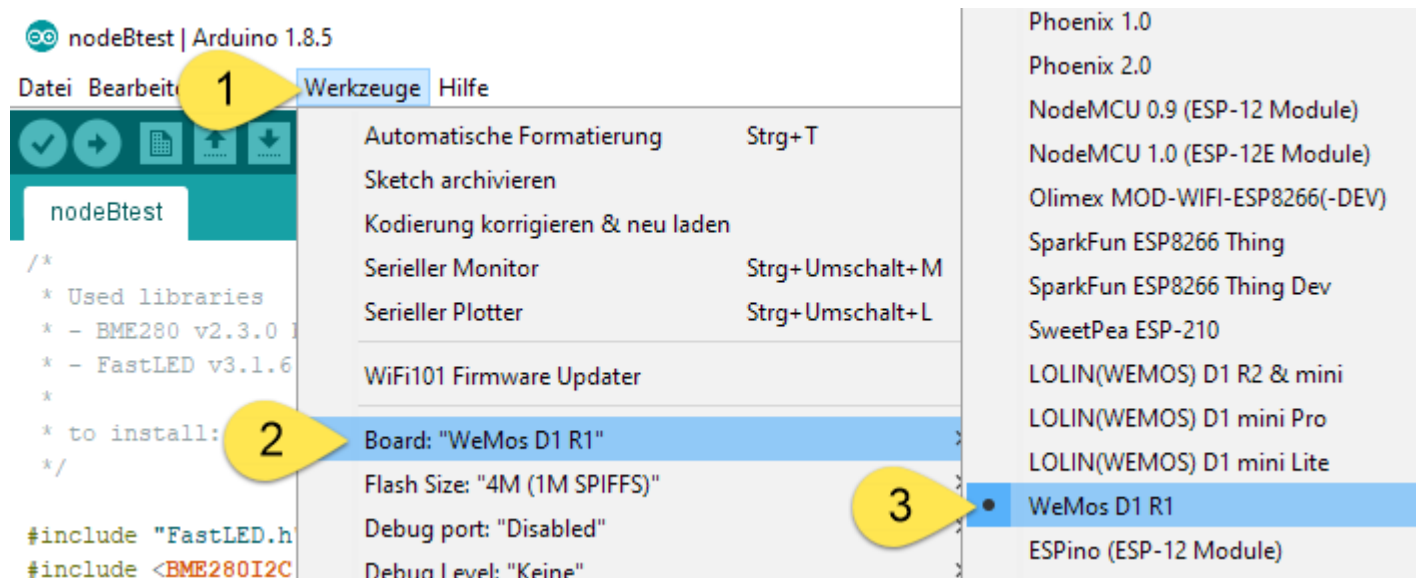
#include "FastLED.h"
#include <BME280I2C.h>
#include <Wire.h>

#define NUM_LEDS 12
#define DATA_PIN D5
#define SW1_PIN D6
#define SW2_PIN D7

BME280I2C bme;

// Define the array of leds
```

The status bar at the bottom indicates the hardware and settings: 'WeMos D1 R1, 80 MHz, Flash, 4M (1M SPIFFS), v2 Lower Memory, Disabled, None, Only Sketch, 921600 auf COM1'.





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# Vielen Dank für Ihre Aufmerksamkeit.

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Verantwortung

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