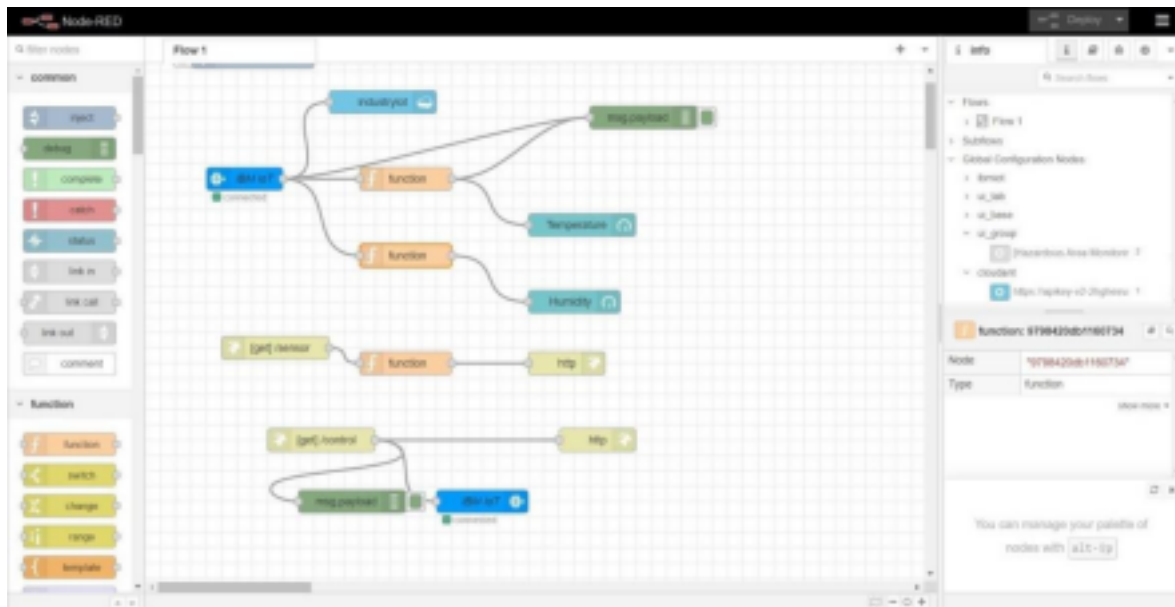
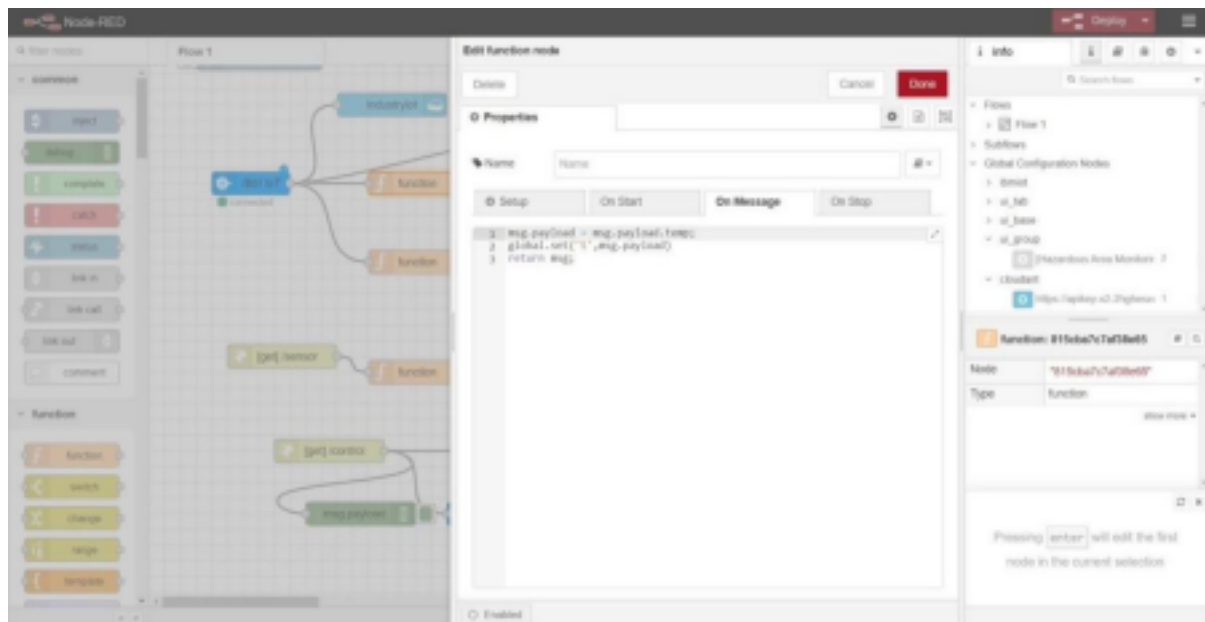


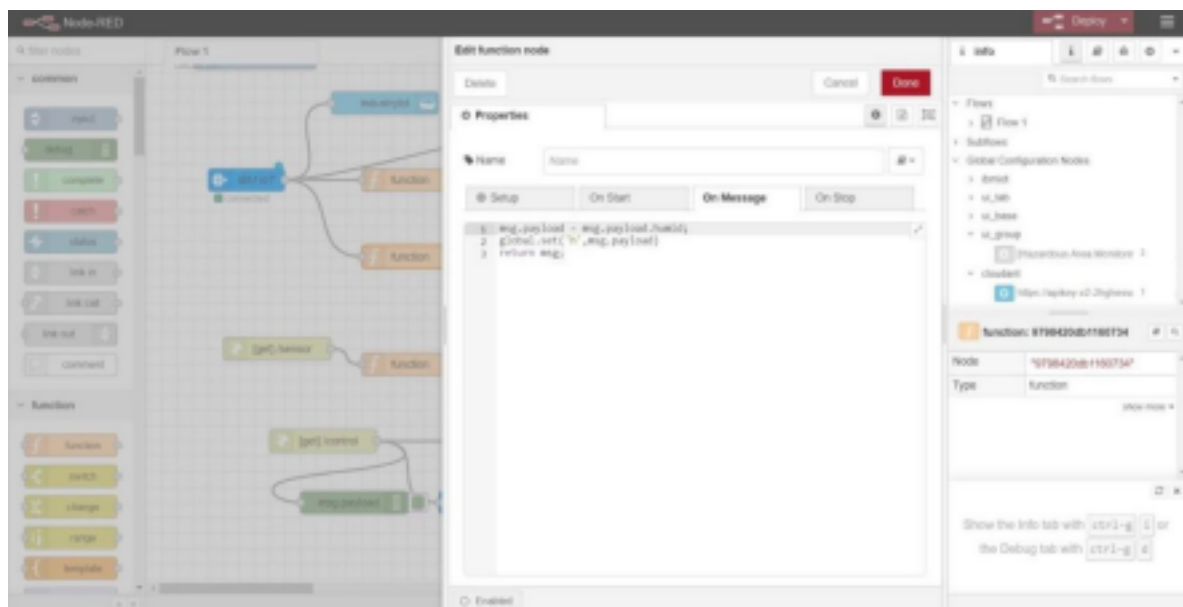
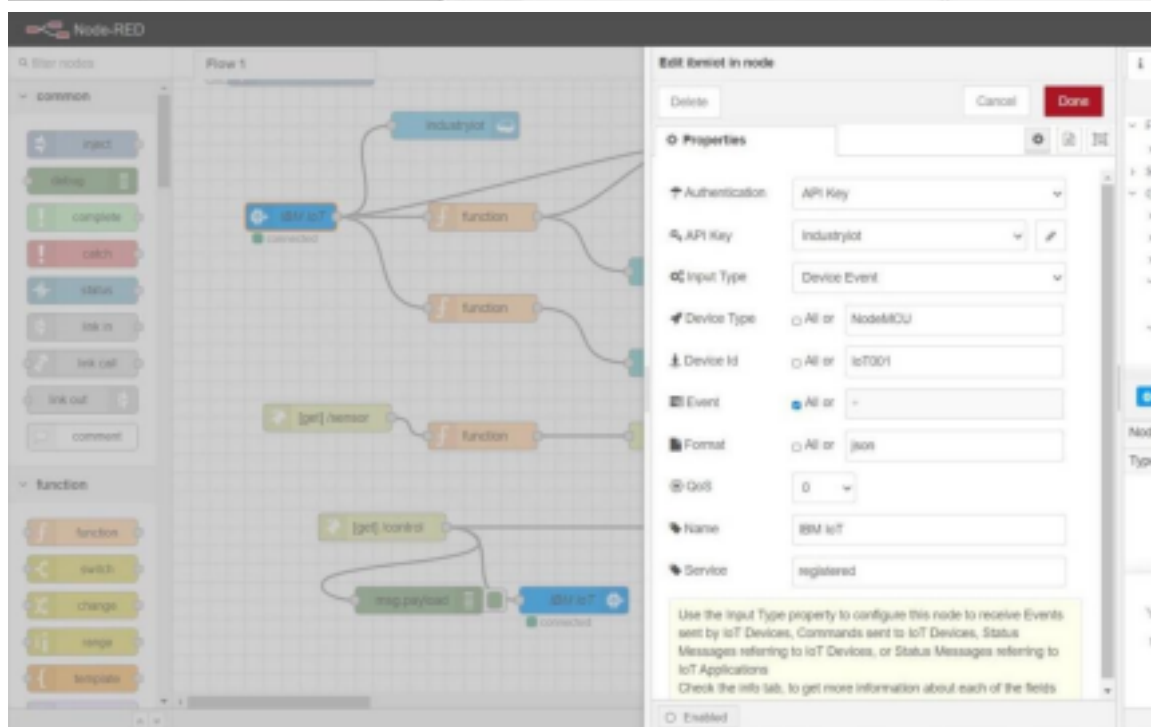
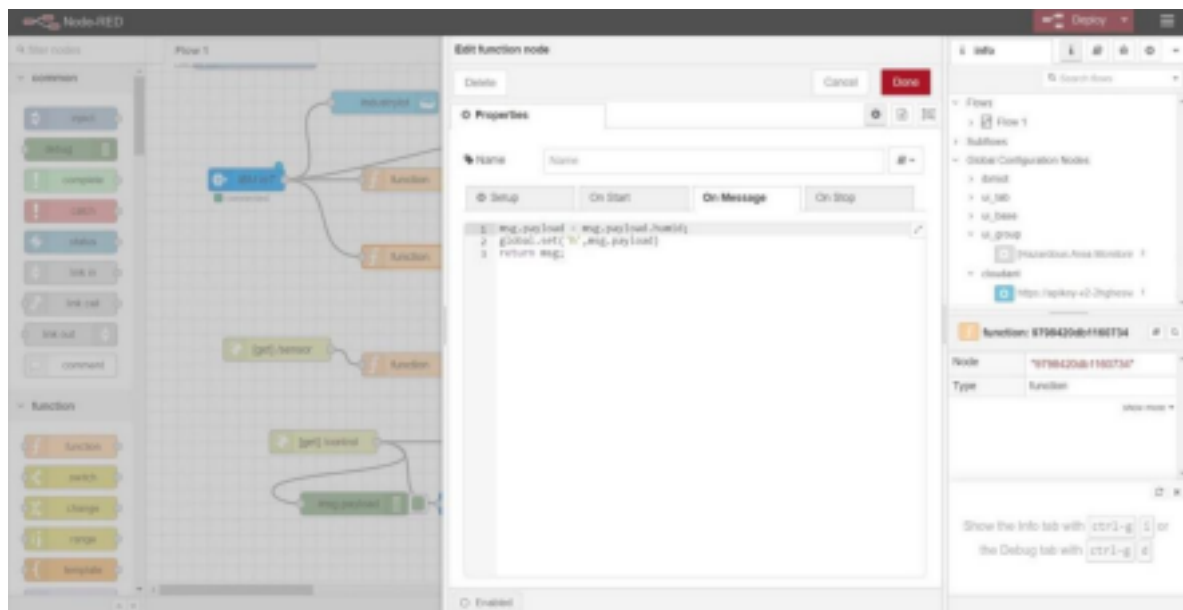
# Develop The Web Application Using Node-RED

## Node red flow



## Function blocks





Node-RED interface showing a flow diagram and the 'Edit gauge node' configuration panel.

**Flow Diagram:** The flow starts with an 'inject' node, followed by a 'function' node, then another 'function' node, and finally a 'ui\_gauge' node. The 'inject' node is connected to the first 'function' node, which is connected to the second 'function' node, which is connected to the 'ui\_gauge' node. The 'inject' node is also connected to a 'get sensor' node, which is connected to a 'function' node, which is connected to the 'ui\_gauge' node. The 'inject' node is also connected to a 'get control' node, which is connected to a 'function' node, which is connected to the 'ui\_gauge' node.

**Edit gauge node configuration:**

- Group: Hazardous Area Monitoring for Industri
- Size: auto
- Type: Gauge
- Label: Temperature
- Value format: [value]
- Units: °C
- Range: min: 0, max: 100
- Colour gradient: Green, Yellow, Red
- Sectors: 0, optional, optional, 100
- Class: Optional CSS class name(s) for widget
- Name:

**Info panel:**

- Flow: Flow 1
- Global Configuration Nodes: ui\_base, ui\_tab, ui\_base, ui\_group, Hazardous Area Monitor, Cloudant, Mqtt (mqtt) v2.2.0 (mqtt)
- Node: 50e22b791c0e1148
- Type: ui\_gauge

Node-RED interface showing a flow diagram and the 'Edit gauge node' configuration panel.

**Flow Diagram:** The flow starts with an 'inject' node, followed by a 'function' node, then another 'function' node, and finally a 'ui\_gauge' node. The 'inject' node is connected to the first 'function' node, which is connected to the second 'function' node, which is connected to the 'ui\_gauge' node. The 'inject' node is also connected to a 'get sensor' node, which is connected to a 'function' node, which is connected to the 'ui\_gauge' node. The 'inject' node is also connected to a 'get control' node, which is connected to a 'function' node, which is connected to the 'ui\_gauge' node.

**Edit gauge node configuration:**

- Group: Hazardous Area Monitoring for Industri
- Size: auto
- Type: Gauge
- Label: Humidity
- Value format: [value]
- Units: %
- Range: min: 0, max: 100
- Colour gradient: Green, Yellow, Red
- Sectors: 0, optional, optional, 100
- Class: Optional CSS class name(s) for widget
- Name:

**Info panel:**

- Flow: Flow 1
- Global Configuration Nodes: ui\_base, ui\_tab, ui\_base, ui\_group, Hazardous Area Monitor, Cloudant, Mqtt (mqtt) v2.2.0 (mqtt)
- Node: 50214ca5f0e1148
- Type: ui\_gauge