#### SMART INDIA HACKATHON

# - PROBLEM STATEMENT - CLOUD-INTEGRATED IOT ALARM CLOCK WITH DASHBOARD INTEGRATION.

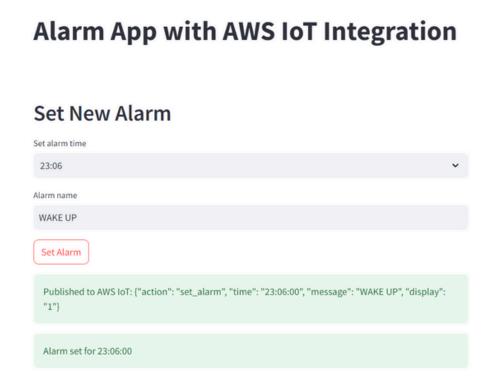
- TEAM NAME -Bharat\_Builders.ai

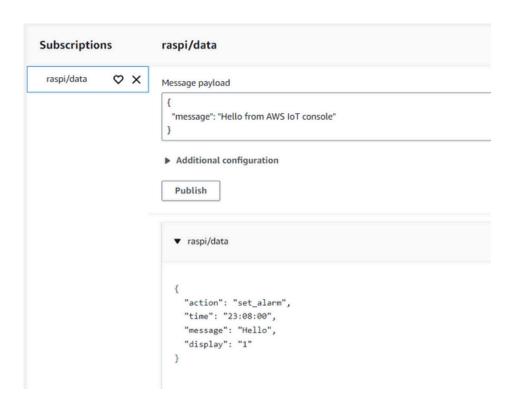
## - IDEA & APPROACH -

As IoT technology continues to evolve, the opportunities to create smart devices with enhanced capabilities beyond basic functions increase.

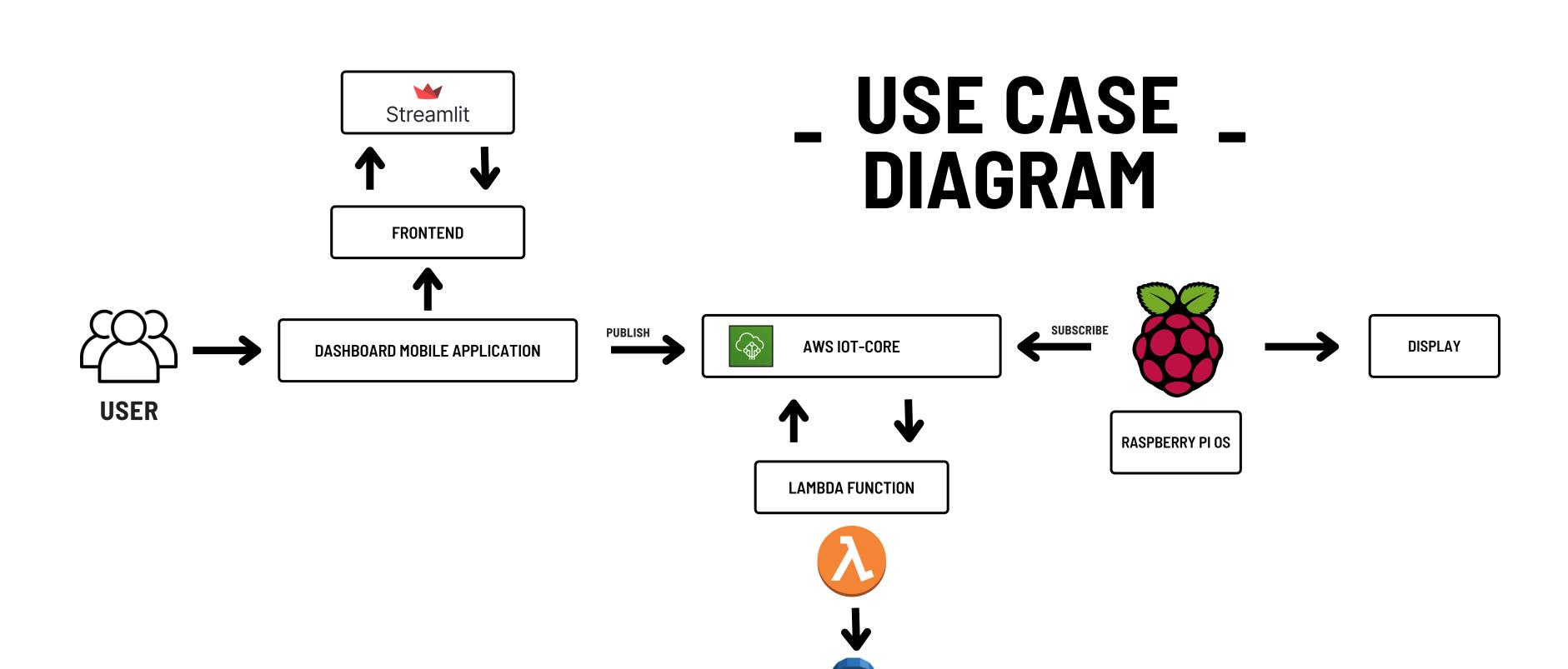
This initiative seeks to develop an intelligent alarm clock that not only executes essential tasks but also connects effortlessly to cloud services and a data dashboard. By leveraging AWS IoT Core for secure communication between devices and data storage, this alarm clock will support remote management and analytical features. Drawing inspiration from the Paint-Alarm project, the design will prioritize an intuitive and user-friendly interface.

Additionally, integration with the Govtlnvoice dashboard will facilitate real-time data monitoring and provide valuable insights, positioning the alarm clock as a multifunctional asset in a smart home setting.





```
futabandit@LAPTOP-EDOSFA00:~/repos/bharat_bui
futabandit@LAPTOP-EDOSFA00:~/repos/bharat_bui
/home/futabandit/repos/bharat_builders.ai/AWS
k API version 1 is deprecated, update to late
    client = mqtt.Client()
Connected to AWS IoT with result code: 0
Message received from topic raspi/data: {
    "action": "set_alarm",
    "time": "23:08:00",
    "message": "Hello",
    "display": "1"
}
```



**DynamoDB** 

**DATABASE** 

#### - TECHNOLOGY STACK -





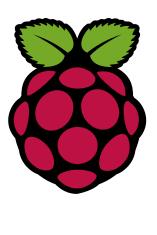
**BACKEND SERVICES** 





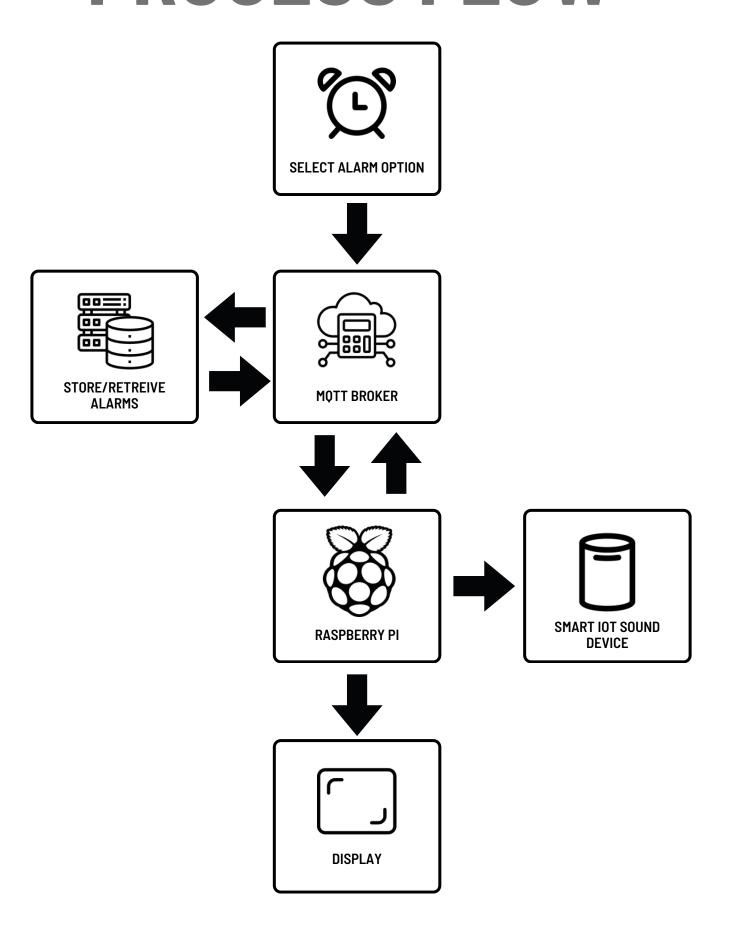






HARDWARE OS

#### - PROCESS FLOW -



### -TEAM DETAILS -

Team Leader: Yash Bishnoi

Team Member 1: Pramesh Anand

**Team Member 2 : Chelsi Kothari** 

Team Member 3 : Anandiya Diwan

**Team Member 4: Anshita Dixit** 

Team Member 5: Ananthu Krishna