



## **Project (Purpose & About)**

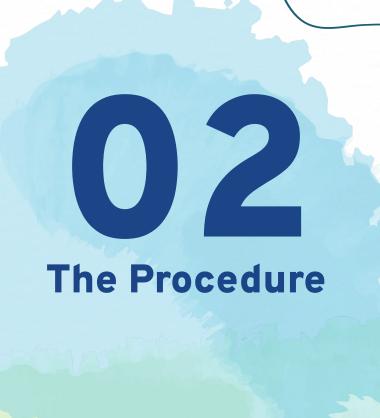
1. The overall idea was to create a fully functional serverless application using some of the most important services

2. Gain hands-on experience with architecting AWS solutions

### Goals

Sol. **Serverless App Architecture** Knowledge 02 01 Increase knowledge Get hands on of serverless apps experience with and understand the architecting solutions with AWS architecture while implementing one. Expanding on previous knowledge and applying the new concepts and creating better

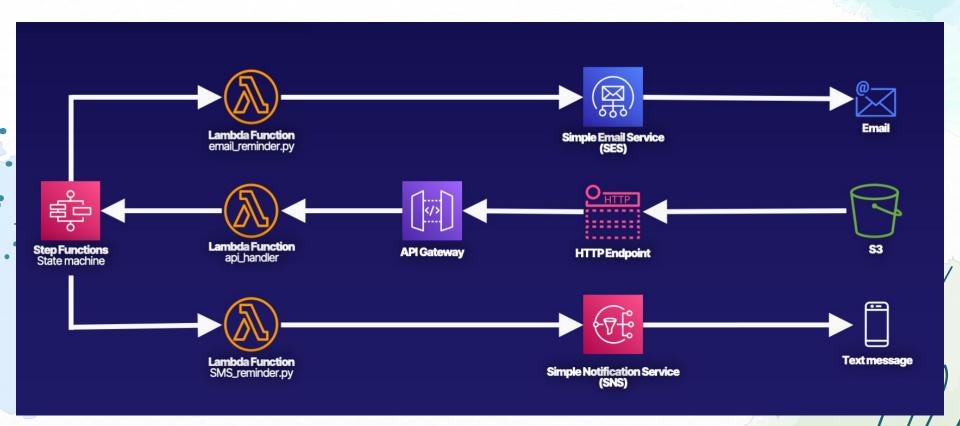
solutions



### Technical/Architectural Requirements

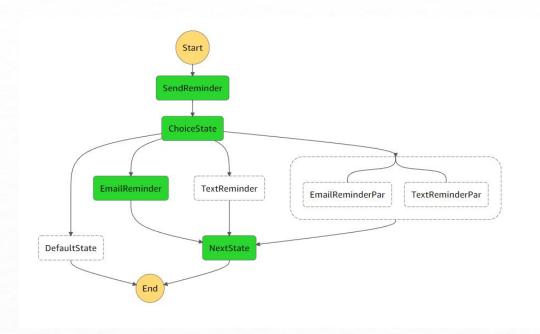
- 1. The app is used by people who have animals and need reminders for feeding time, cleaning, walks and etc.
  - a. The static website will be hosted on S3 bucket
  - b. The javascript will communicate with the API gateway
  - c. The API gateway interacts with api handler lambda function
    - i. The functions interacts with the Step Machine
      - 1. The Step machine interacts with the two Lambda functions, SMS and Email that send the said reminders

# **Topology Requirements (Pictorial)**



## **Topology cont. (Step Functions)**

• Below is the logic used by the Step Functions



### Running Example

- 1. Here we put a "message" on the website for the reminder, in this case we say "hello." We also specify how many reminders need to be sent
  - a. We then choose between an email or a mobile reminder (both can be picked)



### **Results**

Below is the result, after selecting the email reminder, we get an email with the exact message that we need.



#### **Goals Achieved**

O1 Solutions Architecture

Successfully architected a serveless reminder app solution.

Increased understanding of architecture concepts

Valuable practical experience working with AWS Services

02 Serverless App Knowledge

Increased understanding of serverless applications and hands-on experience implementing them