**Serverless Daily Quote API with AWS Lambda & API Gateway**

### ****Project Overview:****

This project showcases a **serverless API** that delivers **real-time motivational quotes** by utilizing **AWS Lambda** and **Amazon API Gateway**. The API is integrated with a basic frontend, providing users with dynamic daily quotes through a seamless and scalable architecture. This mini project enhanced my understanding of **cloud-native** development and **event-driven** serverless technologies.

### ****Key Features:****

* ✅ **Serverless Backend Logic:**  
  Designed and deployed backend functions using **AWS Lambda** to generate and return motivational quotes.
* ✅ **API Development:**  
  Configured a **RESTful API** using **Amazon API Gateway**, enabling secure and scalable client-server communication.
* ✅ **Frontend Integration:**  
  Built a basic **HTML/JavaScript** interface to fetch and display quotes from the API in real time.
* ✅ **Cloud Best Practices:**  
  Gained experience in **cost optimization**, **API security**, and **stateless architecture** using serverless services.

### ****Technologies Used:****

* **AWS Lambda** – Serverless function execution
* **Amazon API Gateway** – API creation and management
* **HTML** – Web page structure
* **JavaScript** – Dynamic content handling

