Generate a full-stack web application project that demonstrates Firebase Cloud Messaging (FCM) capabilities for sending and receiving push notifications, specifically targeting Android devices with a URL payload.

**Project Components:**

1. **Frontend Web Application:**
   * **Purpose:** A simple web page (HTML, CSS, JavaScript) that acts as the client.
   * **FCM Client Integration:**
     + Initializes Firebase SDK and registers for FCM.
     + Displays the unique FCM registration token for the current browser instance. This token will be used by the backend to send targeted messages.
     + Includes a service worker (firebase-messaging-sw.js) to handle incoming push notifications when the web app is in the background or closed.
     + Provides a mechanism (e.g., a simple text area or console log) to display received notification payloads.
     + Handles the notificationclick event in the service worker to open the specified URL (https://erabeacon-7e08e.web.app/) when the notification is tapped on the Android device.
   * **User Interface:** A minimal UI to show the token and potentially a status message.
2. **Backend Server Application:**
   * **Purpose:** A server-side application responsible for sending push notifications.
   * **Technology:** Suggest Node.js with Express.
   * **FCM Server Integration:**
     + Uses the Firebase Admin SDK.
     + **Authentication:** Authenticates with Firebase using a service account key (provide a placeholder for the JSON file path).
     + **Message Sending:** Implements an API endpoint (e.g., /send-notification) that accepts an FCM registration token and triggers a push notification.
     + **Protocol:** **Strictly uses the FCM HTTP v1 Protocol** for sending messages.
     + **Payload:** The message payload must be structured to:
       - Target a specific Android device using its FCM registration token.
       - Include data that, when clicked, opens the URL https://erabeacon-7e08e.web.app/. This can be achieved by setting the click\_action in the notification payload or by sending the URL in the data payload and handling it in the Android app's onMessageReceived (though click\_action is simpler for direct URL opening). Prefer click\_action for simplicity if targeting a web URL directly.

**Key Requirements Summary:**

* **Targeted Delivery:** Notifications must be sent to a specific Android device's FCM registration token.
* **Protocol:** All server-side FCM communication must use the **REST HTTP v1 Protocol**.
* **URL Opening:** Upon tapping the notification on the Android device, the URL https://erabeacon-7e08e.web.app/ must be opened.

**Output Structure:**

Provide the following:

* A clear project directory structure (e.g., client/, server/).
* Complete, well-commented code for both the frontend (HTML, CSS, JavaScript, service worker) and the backend (Node.js/Express).
* Instructions on how to set up Firebase project credentials (e.g., where to place the service account key).
* Steps to run both the frontend and backend applications.
* Guidance on how to test the push notification functionality.