firestore database for notification service in angular

To use Firestore database for a notification service in Angular, you need to follow these steps:

1. Set up Firebase in your Angular project:
- Install the Firebase CLI by running `npm install -g firebase-tools`.
- Create a Firebase project in the Firebase console (https://console.firebase.google.com).

* I have already created I.e : https://angularbysuraj-default-rtdb.firebaseio.com/

- In your Angular project directory, run `firebase login` to log in to Firebase with your Google account.

* I have login with ersurajsingh21@gmail.com

- Run `firebase init` to initialize Firebase in your project. Select Firestore and Hosting services when prompted.

* I have selected both firestore and hosting and after that :

? What file should be used for Firestore Rules? Firestore.rules
? What file should be used for Firestore indexes? Firestore.indexes.json
? What do you want to use as your public directory? (public)
? Configure as a single-page app (rewrite all urls to /index.html)? (y/N) y
? Set up automatic builds and deploys with GitHub? (y/N) n
+ Firebase initialization complete!

- Choose your Firebase project, and configure the Firebase features as needed.

2. Install the Firebase SDK and AngularFire in your Angular project:
- Run `npm install firebase @angular/fire` to install the required packages.

3. Import and configure AngularFire in your Angular app:
- In your Angular `AppModule`, import the necessary AngularFire modules:

```
import { AngularFireModule } from '@angular/fire';
import { AngularFirestoreModule } from '@angular/fire/firestore';

// …

imports: [
 // …
 AngularFireModule.initializeApp(environment.firebaseConfig),
 AngularFirestoreModule,
 // …
]
```

- Replace `environment.firebaseConfig` with your Firebase project configuration.

Q. how to Replace `environment.firebaseConfig` with your Firebase project configuration. so here how to find my Firebase project configuration

Steps

To find your Firebase project configuration, you can follow these steps:

- Go to the Firebase console at https://console.firebase.google.com/.
- If you're not already signed in, sign in with your Google account.
- Once signed in, you should see a list of your Firebase projects (if you have multiple projects).
- Select the project for which you want to retrieve the configuration.
- In the left-hand sidebar, click on the gear icon (Project settings) next to the project name.
- On the Project settings page, scroll down to the "Your apps" section.
- If you haven't already added your app to the project, click on the "Add app" button and follow the instructions to add your app.
- Once your app is added, you should see its details listed under the "Your apps" section.
- Look for the Firebase SDK snippet section labeled "Config".

- In the Config section, you will find a JavaScript object with various properties such as **apiKey**, **authDomain**, **projectId**, **storageBucket**, **messagingSenderId**, and **appId**. This object contains your Firebase project configuration.
- Copy the entire JavaScript object (including curly braces **{}**) containing the configuration properties.

The Firebase project configuration object should look similar to this:

```javascript
javascriptCopy code
const
  apiKey  'YOUR_API_KEY'
  authDomain  'YOUR_AUTH_DOMAIN'
  projectId  'YOUR_PROJECT_ID'
  storageBucket  'YOUR_STORAGE_BUCKET'
  messagingSenderId  'YOUR_MESSAGING_SENDER_ID'
  appId  'YOUR_APP_ID'
```

```
Mine is :
// Import the functions you need from the SDKs you need
import { initializeApp } from "firebase/app";
// TODO: Add SDKs for Firebase products that you want to use
// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration
const firebaseConfig = {
  apiKey: "AIzaSyBNdAOCGYkmflSKpIx2YzTv3bKlupgpnxg",
  authDomain: "angularbysuraj.firebaseapp.com",
  databaseURL: "https://angularbysuraj-default-rtdb.firebaseio.com",
  projectId: "angularbysuraj",
  storageBucket: "angularbysuraj.appspot.com",
  messagingSenderId: "403396654223",
  appId: "1:403396654223:web:14ef6bf6d9dfbfbe8cecfa"
};

// Initialize Firebase
const app = initializeApp(firebaseConfig);
```
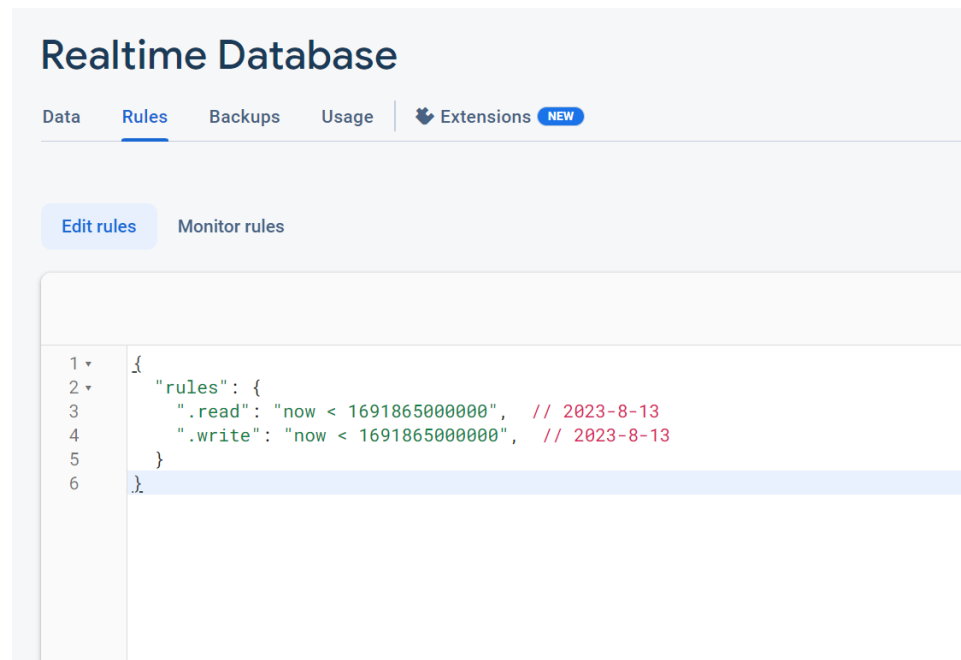
You can then use this configuration object to replace **environment.firebaseConfig** in your Angular project. Make sure to update the corresponding values with the ones from your Firebase project configuration.

Night working :

Cloud Messaging API (Legacy)=>Enabled
Firebase send push notification using postman example.

Here I am changing the rules as per chartgpt like :

```
 "rules": {
   ".read": "now < 1691865000000" , // 2023-8-13
   ".write": "now < 1691865000000" , // 2023-8-13
 }
}
```

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https://www.positronx.io/how-to-connect-firebase-realtime-nosql-cloud-database-with-angular-app-from-scratch/