

API CREATION:

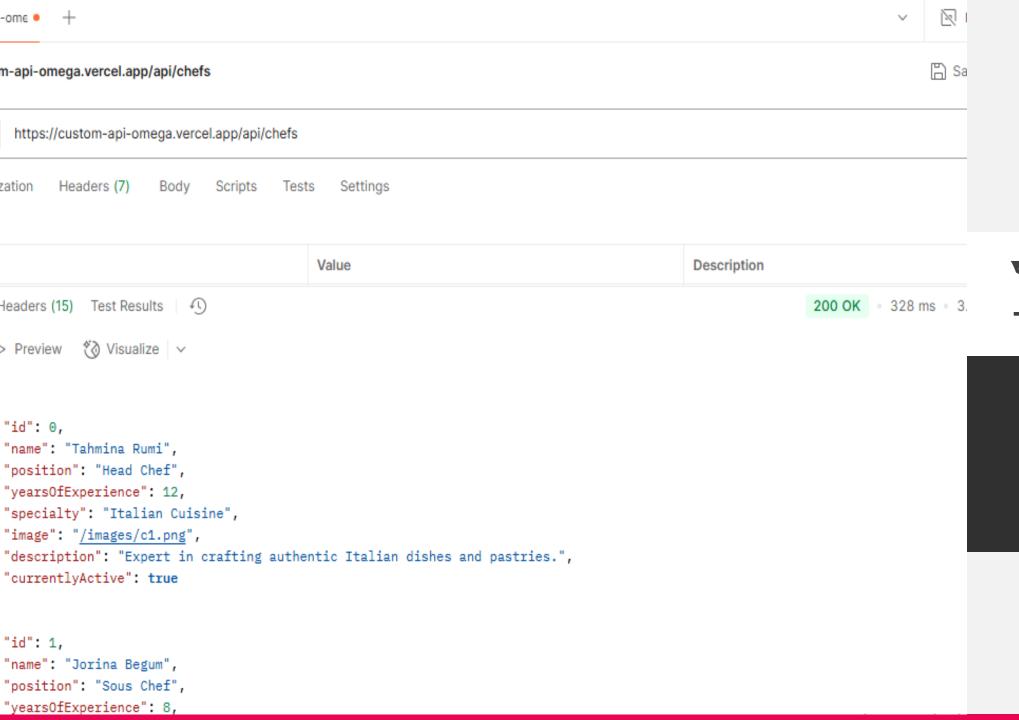
API CREATION PROCESS:

- Created my own API using route handlers in Nextjs.
 - Uses GET function for fetching data.
 - Created Endpoints for all data.
 - /foods , /chefs , /blogs.
 - Tested API Endpoint using Postman to validate API response.
 - Created API:
 - https://custom-api-omega.vercel.app/api/foods
 - https://custom-api-omega.vercel.app/api/chefs
 - https://custom-api-omega.vercel.app/api/blogs

API INTEGRATION PROCESS:

- Integrated my custom API for fetching product data into the Next.js frontend.
 - Created a Migration script to migrate data into Sanity CMS (Content Management system).
 - Migrate a fetched data into Sanity (CMS) for backend.
 - Store all Data into Sanity.

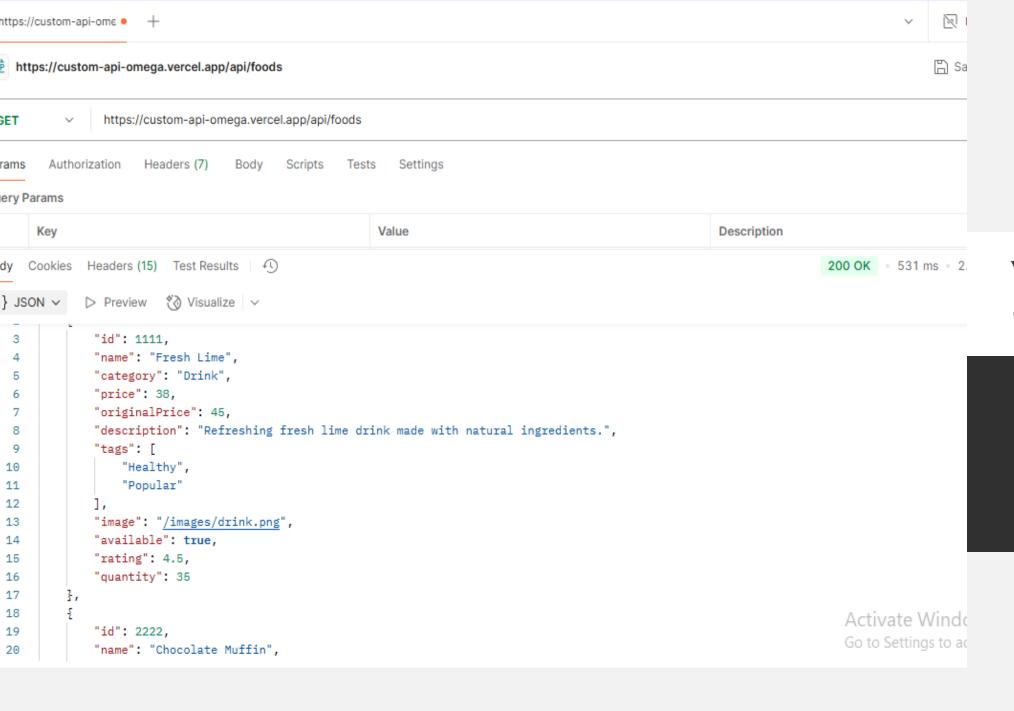






Test API to see the response in Postman.

Endpoint(/chefs).

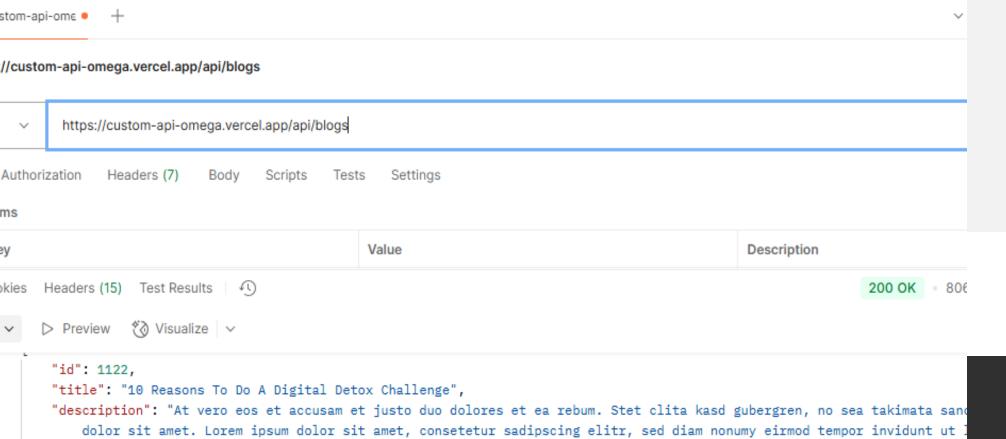




response in Postman.

Test API to see the

Endpoint(/foods).



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ut labore et dolore magna aliquyam erat",

"image": "/images/b1.png",

"tags": [

"Healthy",
"Popular"



Test API to see the response in Postman. Endpoint(/blogs).

SANITY CMS SETUP FOR BACKEND

Sanity's CMS capabilities to fetch data from an external API & store it in Sanity's database, and make it available for querying and ready to use. Sign up in sanity then create Token which is necessary for API integration After create Token used to built GROQ query for fetching Data. Ensure the API data matches the expected schema in Sanity

```
import { fileURLToPath } from 'url';
     import path from 'path';
     // Load environment variables from .env.local
     const filename = fileURLToPath(import.meta.url);
     const dirname = path.dirname( filename);
     dotenv.config({ path: path.resolve(__dirname, '../../.env.local') });
11
12
     // Create Sanity client
13
14
     const client = createClient({
       projectId: process env NEXT PUBLIC SANITY PROJECT ID,
15
16
       dataset: process.env.NEXT PUBLIC SANITY DATASET,
17
       useCdn: false,
       token: process.env.SANITY_API_TOKEN,
19
       apiVersion: '2021-08-31',
20
     });
21
22
     async function uploadImageToSanity(imageUrl) {
23
       try {
24
         console.log(`Uploading image: ${imageUrl}`);
25
         const response = await axios.get(imageUrl, { responseType: 'arraybuffer' });
         const buffer = Buffer.from(response.data);
26
27
         const asset = await client.assets.upload('image', buffer, {
28
           filename: imageUrl.split('/').pop(),
29
         });
```



Integrated API through the migration script into the Next.js frontend and Sanity CMS.

```
37
     async function importData() {
       try {
         console.log('Fetching food, chef data from API...');
41
42
         // API endpoint containing data
43
         const $Promise = []:
         $Promise.push(
44
45
           axios.get('https://custom-api-omega.vercel.app/api/foods')
47
         $Promise.push(
           axios.get('https://custom-api-omega.vercel.app/api/chefs')
         );
50
52
         $Promise.push(
53
           axios.get('https://custom-api-omega.vercel.app/api/blogs')
54
         );
55
56
57
         const [foodsResponse, chefsResponse , blogsResponse] = await Promise.all($Promise);
         const foods = foodsResponse.data;
         const chefs = chefsResponse.data;
         const blogs = blogsResponse.data;
61
62
         for (const food of foods) {
```



Integrated API through the migration script into the Next.js frontend and Sanity CMS.

```
const sanityblog = {
   type: 'blog',
   name: blog.name,
   tags: blog.tags | [],
    description: blog.description | '',
   image: imageRef
         _type: 'image',
          asset: {
           _type: 'reference',
            _ref: imageRef,
          },
      : undefined,
 };
 console.log('Uploading food to Sanity:', sanityBlog.name);
 const result = await client.create(sanityBlog);
 console.log(`Blog uploaded successfully: ${result. id}`);
console.log('Data import completed successfully!');
```

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MGRATION SCRIPT.

Integrated API through the migration script into the Next.js frontend and Sanity CMS.



Ataur Rahman

>

Bisnu Devgon

Chef

Bisnu Devgon

Chef Name

Bisnu Devgon



Role or title of the chef (e.g., Head Chef, Sous Chef)

Executive Chef

Years of Experience

Number of years the chef has worked in the culinary field

10

Specialty

Specialization of the chef (e.g., Italian Cuisine, Pastry)



Fetch data from custom API into Sanity CMS.

(/chefs)

Q Search list

Fresh Lime

Chocolate Muffin

Country Burger



Burger



Chicken Chup



Chicken Chup





Country Burger





Chocolate Muffin

Food

Fresh Lime

Food Name

Fresh Lime



Category of the food item (e.g., Burger, Sandwich, Drink, etc.)

Drink

Current Price

38

Original Price

Price before discount (if any)

45



Fetch data from custom API into Sanity CMS.

(/foods)



Q Search list



My Favorite Easy Black Pizza Toast Recipe



The Ultimate Hangover Burger: Egg in a ...



Traditional Soft Pretzels with Sweet Beer ...



10 Reasons To Do A Digital Detox Challen...

Blog

My Favorite Easy Black Pizza Toast Recipe

Title

My Favorite Easy Black Pizza Toast Recipe



Description

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt u dolore magna aliquyam erat At vero eos et accusam et justo duo dolore Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonum tempor invidunt ut labore et dolore magna aliquyam erat At vero eos et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimat Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sac sed diam nonumy eirmod tempor invidunt ut labore et dolore magna al

Fetch data from custom API into Sanity CMS.

(/blogs)







xperience:

Asian Fusion

in Asian fusion dishes flavors with modern

Active: No



Chef Name: Bisnu Devgon

Position: Executive Chef

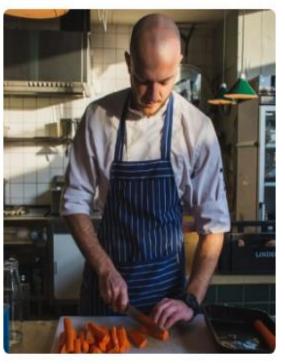
Years of Experience:

Specialty: Global Cuisine

Description: Expert in international cuisines and

menu planning.

Currently Active: No



Chef Name: William Rumi

Position: Chef de Cuisine

Years of Experience:

Specialty: Seafood Specialties

Description: Master of crafting exquisite seafood dishes with unique flavors.

Currently Active: No



Chef Name: 1

Position:

Years of E

Specialty: It

Description: Expert in

dishes and

Currently

DISPLAY ALL DATA INTO FRONTEND.

Display data into Frontend (/chefs).



Choose & Pick!

From Our Menu

Appetizer

Main Course

Sandwich

Dessert

Drink



Country Burger

\$45 \$50

view details



Burger

\$21 \$45

Add to Cart

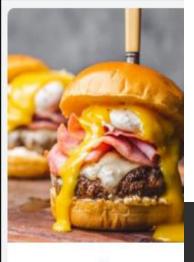
view details



Country Burger

\$45 \$50

Add to Cart view details



Burger

\$21 \$45

Add to Cart

view

DISPLAY ALL DATA INTO FRONTEND.

Display data into Frontend (/foods).



Healthy

Popular

Recipe

My Favorite Easy Black Pizza Toast Recipe

It vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor it amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna liquyam erat At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est...

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Recent Posts



My Favorite Easy Black Pizza Toast Recipe



The Ultimate Hangover Burger: Egg in a Hole



10 Reasons To Do A Digital Detox Challenge

Filter by Categories

Healthy

Popular

Recipe

Restaurant

Dinner

Burger

Pizza

Yummy

Lunch



Display data into Frontend (/blogs).



CONCLUSION:

. Create own API with endpoints like /chefs ,/foods,/blogs.

.Test API in Postman to validate response in all endpoints.

. Successfully integrated API data through the migration script into the Next.js frontend and Sanity CMS.

.Sanity CMS for Backend (store all data in sanity).

.Hide all sensitive information in .env file for the security.

.All data successfully show in Frontend for user's.





"THANKYOU"

