Google Developers

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Senior Software Engineer @P360,
Organizer @GDG Siliguri

who am I?

- 27+ talks on topics like Web Performance, Frontend, Firebase and many more.
- LinkedIn 2024 Top Voice for Web Development.
- Mentor and Judge of Hack4Bengal 3.0 and 2.0 Hackathon.
- Mentor of team OrganiCod3rs, the Winner of Smart India Hackathon 2022, Software Edition.
- Mentor of GirlScript Summer of Code 2023.
- Member of Team Delenitors, Smart India Hackathon 2020 Winner, Software Edition.
- Top Contributor of GirlScript Winter of Code 2021.
- Top Contributor of JGEC Winter of Code 2020.

CHALIYE
SHURU
KARTE HAI

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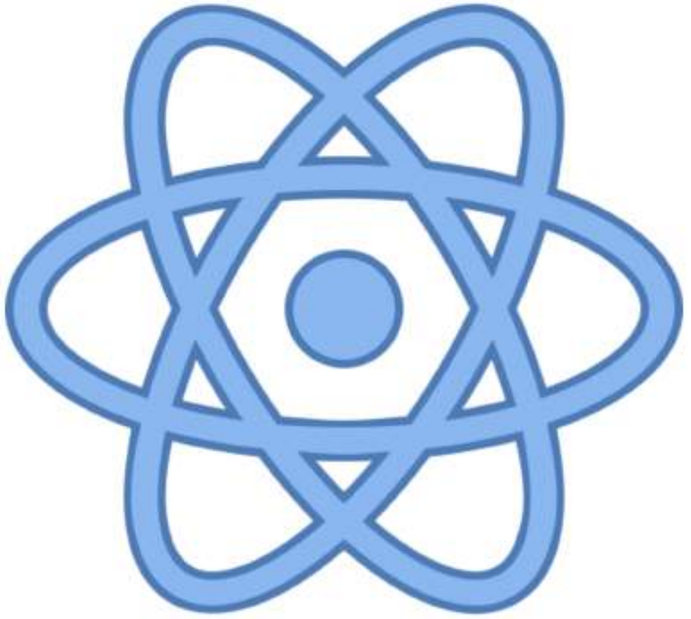
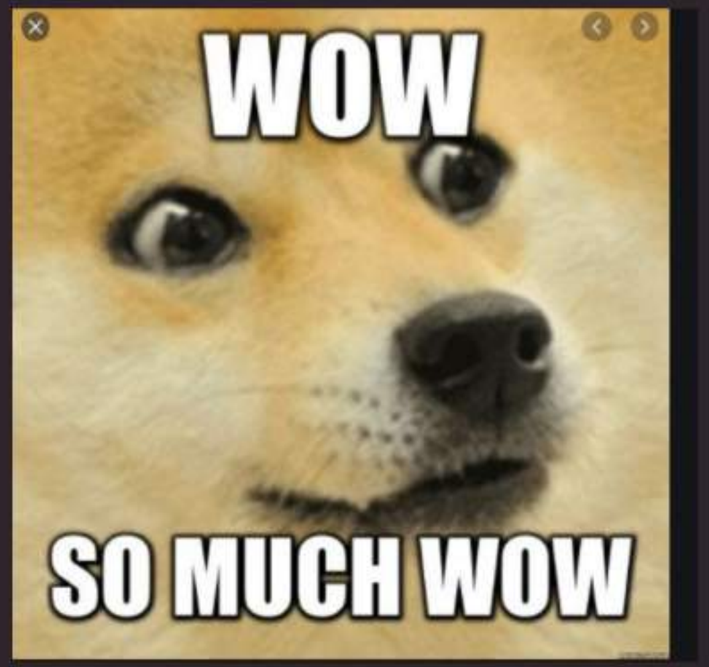


Topic

From Frontend to Full Power: Add Backend Logic with Firebase Cloud Functions

Can I build a small backend without coding an end to end backend solution?

The solution



Topics

- What is Cloud Functions for Firebase?
- What are the advantages of Cloud Functions?
- Developing a full-stack app using React and Firebase Cloud Functions
- Memes

yeh sab kya tha

What is Cloud Functions for Firebase Firebase?

Cloud Functions for Firebase lets you run backend code in response to events—HTTP requests, Firestore writes, Auth events, scheduled cron jobs, and more. You write TypeScript/JavaScript, deploy, and Google scales it for you. You pay only for what executes.

SONY
SAB
SONY
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Advantages of Cloud Functions for Firebase

- Validated writes: Accept input from your app, validate on the server, and write to Firestore.
- Aggregations: Maintain counters/rollups via Firestore triggers (e.g., commentCount).
- Payments & webhooks: Process Stripe/PayPal webhooks safely.
- Scheduled jobs: Nightly cleanup, email digests, cache warmers.
- Media processing: Generate thumbnails, sanitize images, transcode video.
- Notifications: Send FCM notifications on specific events.

Prerequisitis

- Node.js 18+
- A Google account and a Firebase project (create one at console.firebase.google.com)
- Firebase CLI:

```
npm i -g firebase-tools
firebase login
```

Abhi maza ayega na bhidu

Mai... Mereko sab aata hai...
Mai Expert Hu

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Thank You

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