

What is GraphQL?



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- GraphQL is a query language for APIs.
- Developed by Facebook in 2012,
released publicly in 2015.
- It allows the client to request exactly the data it needs, nothing more or less.
- GraphQL solves problems of over-fetching and under-fetching in REST APIs.
- Works on a single endpoint, not multiple like REST.



Why Use GraphQL over REST?



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- REST APIs can lead to over-fetching (too much data) or under-fetching (too little data).
- Example: Getting a user profile might return posts, friends, and settings, even if you just need the name.
- With GraphQL, you ask only for what you need. No extra data.
- GraphQL is faster, flexible, and efficient.



Difference Between GraphQL and REST API

