

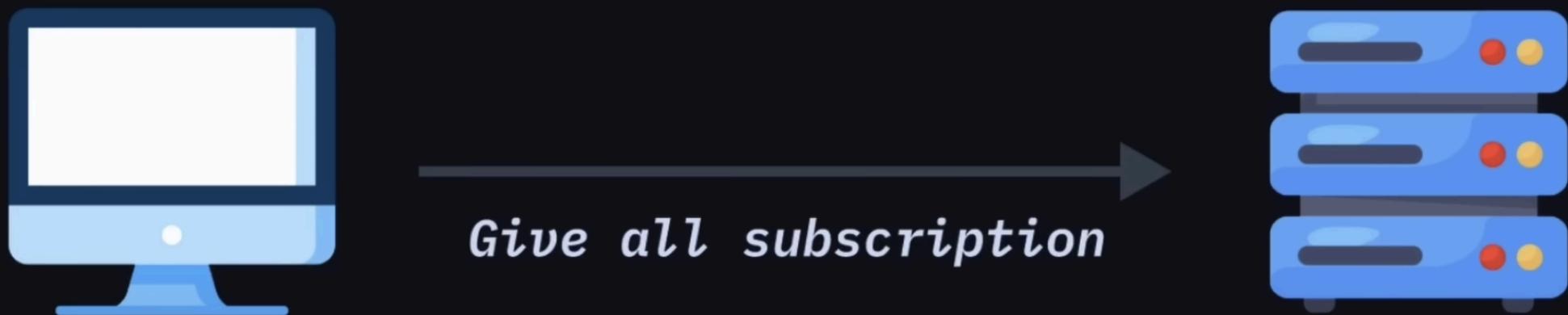
How Data Flows: From Client to Database

 JavaScript Mastery

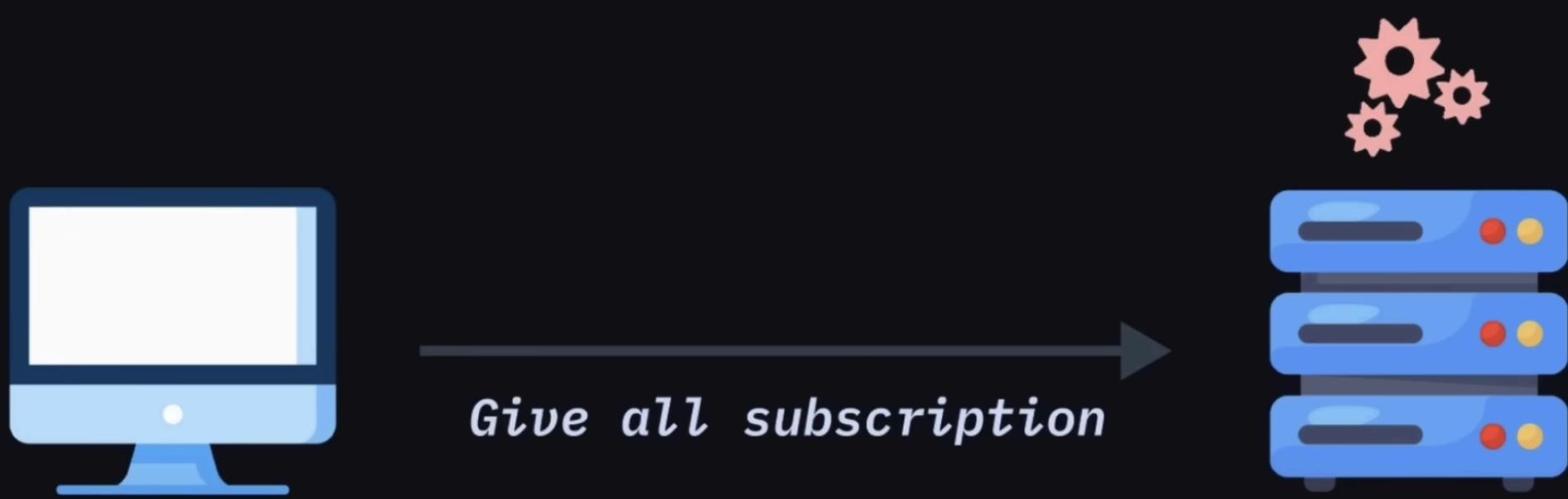


Say you're on an app on your device and you're **looking to access all of your subscriptions.**

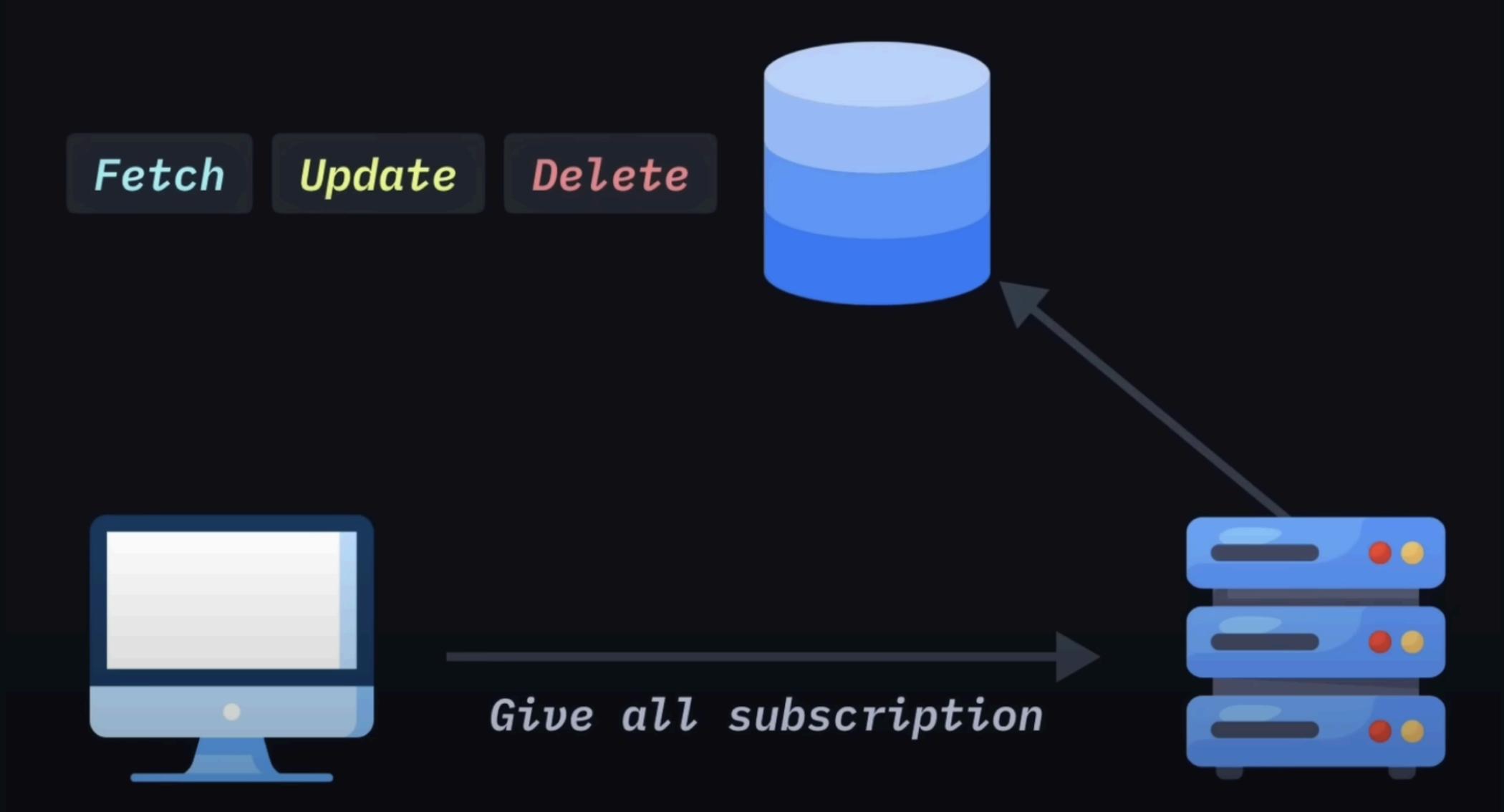
First, the client (your device) will **send a request to the backend.**



The server then **processes the request** (parsing, validating, etc) and determines **what data is needed**.



The backend then sends a **query** to the database to **FETCH, UPDATE or DELETE** that data.



For example, in SQL, the query may look something like the code below.

We are requesting to select everything **from subscriptions where the user ID is 123.**



```
SELECT * FROM subscriptions WHERE user_id = 123;
```

And in **NoSQL, like MongoDB**, the request may look something like this:

```
db.subscriptions.find({ userId: 123 })
```

Either way, the database will **return the requested data** to the server!

The server then **formats that data**

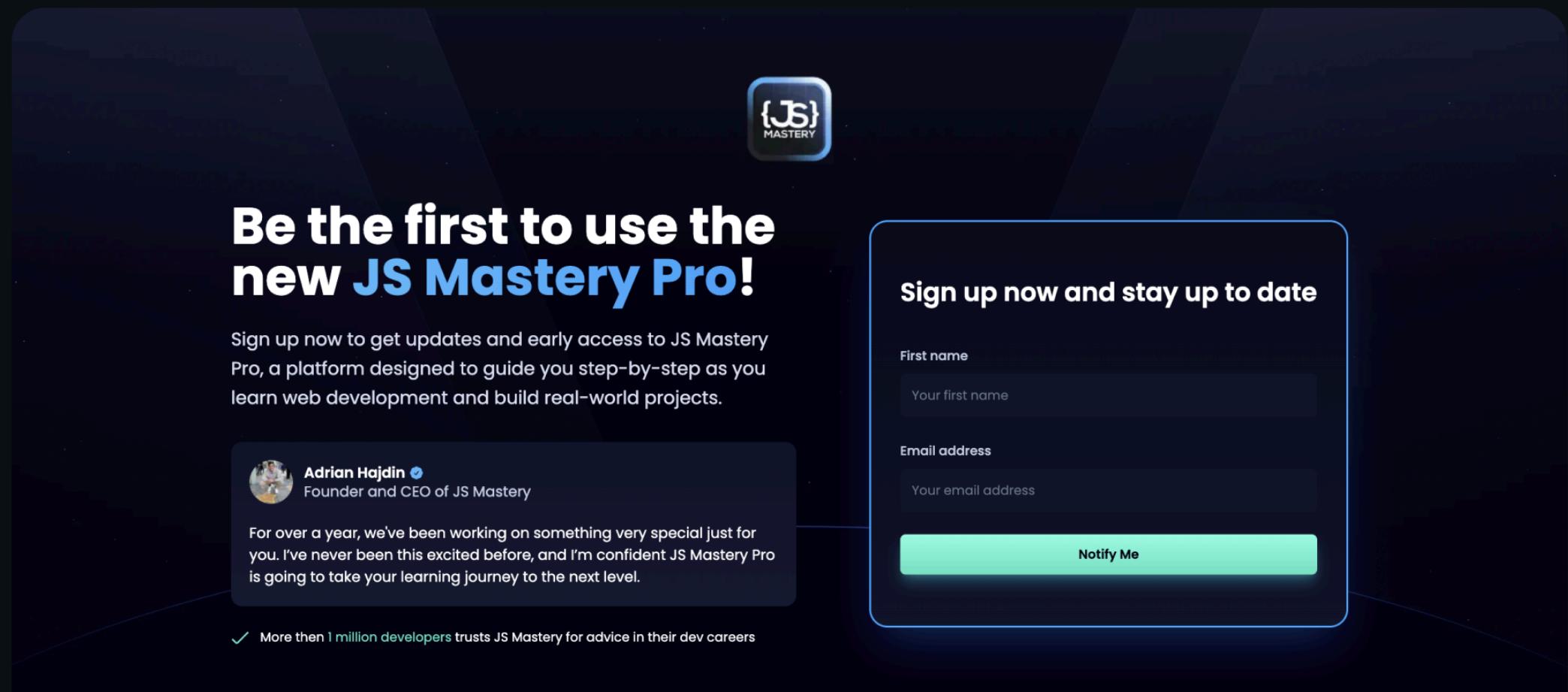
- usually as **JSON** - and then
sends it back to the client (i.e.
your device).





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The image shows a dark-themed user interface for the JS Mastery Pro platform. At the top center is the JS Mastery logo. Below it, a large button with the text 'Be the first to use the new JS Mastery Pro!' in white and blue. To the left of this button is a dark sidebar containing a profile picture of Adrian Hajdin and the text 'Adrian Hajdin Founder and CEO of JS Mastery'. Below this is a quote from him. At the bottom of the sidebar is a small note about developer trust. To the right of the main button is a sign-up form with fields for 'First name' and 'Email address', both with placeholder text. A 'Notify Me' button is at the bottom of the form. The entire interface has a modern, minimalist design with a dark background and light-colored text.

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 **Adrian Hajdin** Founder and CEO of JS Mastery

For over a year, we've been working on something very special just for you. I've never been this excited before, and I'm confident JS Mastery Pro is going to take your learning journey to the next level.

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