

Your API is slow. Here's why.

It's almost never the database. It's the N+1 query.

The N+1 trap

Fetch 50 orders in one query, then loop and fetch each customer — that's 51 round trips where 2 would do.

51 → 2

queries per request

Batch the relation

Eager-load instead of querying inside the loop.



typescript

```
// N+1: one query per order
for (const o of orders)
  o.customer = await getCustomer(o.customerId)

// one query for all of them
const customers = await db
  .select().from(customer)
  .where(inArray(customer.id, orderIds))
```

swipe →

Measure it

Log query counts per request. Going 51 → 2 turns a 400ms endpoint into 40ms.

Save this for your next slow endpoint

Grounded, code-native carousels — made with DeckNative.