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What can corrupt you database fast?

I think we all know what is that...

Famous SQL Injection.

It's a technique where attacker intentionally injects an SQL query in input data.

Successful injection can lead to various unwanted operations like:

- Get sensitive data

- Modify data with CRUD operations

- Possibility to shut down database

And there is not just one type of SQL injection attacks.

There are few like:

- In-band SQLi

- Out-of-band SQLi

- Inferential (Blind) SQLi

- Second-order SQLi

So what can you do as developer to prevent this behavior?

 I would go with this steps:

- Parameterized queries

- Input validation

- Minimum necessary permissions for database

Also, ORMs like EF Core have good support for preventing those kinds of attacks.