



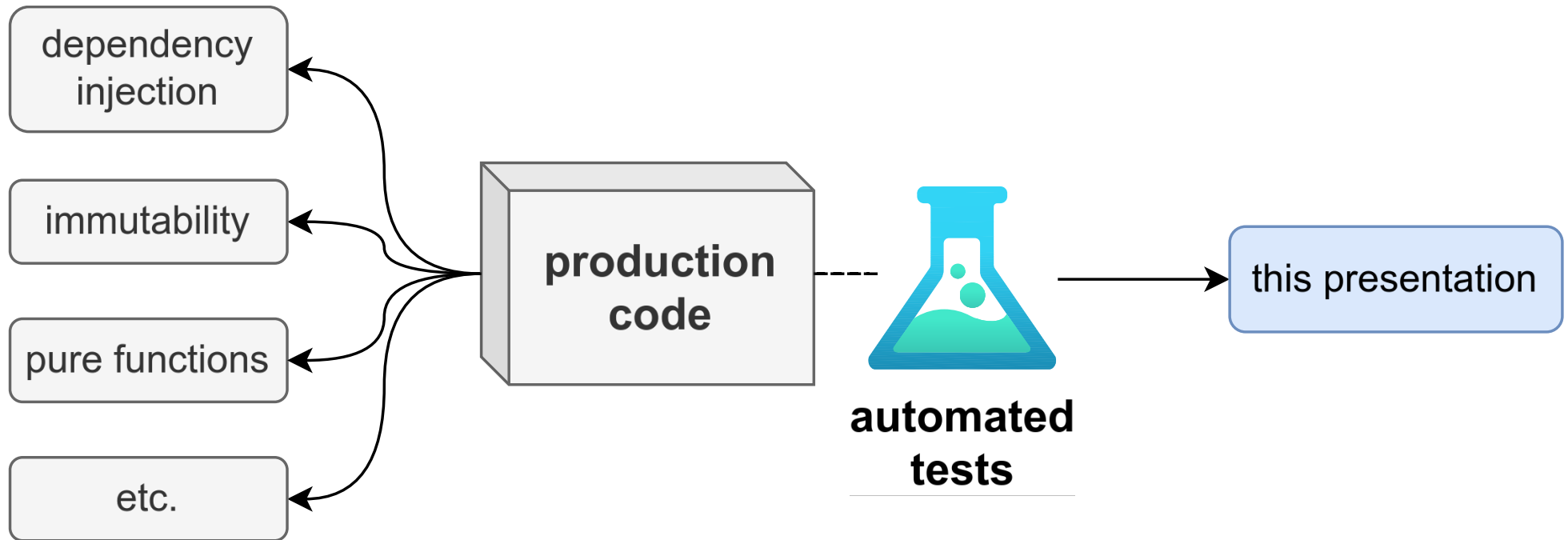
**Clean,
beautiful tests**

Intro

- **Cristian Mocanu**
- **20 years experience
as a software developer**
- **DbSchema**
<https://dbschema.com/>



Scope



Outline

- **Why are *good* tests important?**
- **Test code smells and fixes**
- **Takeaways**

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Why are good tests important?

Good tests



- fast feedback (clear test)
- verify results (mocks)
- refactor fearlessly



- fun

Bad tests

- lengthy debugging
- mock impl. details
- refactoring reluctance

- no fun

- Why are *good* tests important?
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- Why are *good* tests important?
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- **Takeaways**

Takeaways

- **one test per functional requirement**
 - the test name should explain the requirement
- **setup, execute, verify**
 - in this order
 - without interleaving, e.g. "*setup, execute, verify, execute, verify*" is not good
- **no irrelevant detail**
 - use test data builders
 - use custom assertions

Main point

**Treat test code with the same care
as your production code**

- **refactoring**
- **removing duplicatoin**
- **creating abstractions**
- **etc.**

More info



<https://github.com/cvmocanu/clean-tests-presentation/>