

ArchUnit: Unit-Tests für deine Java-Architektur

Roland Weisleder

 @Ro_Wei

 roland@rweisleder.de



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Whoever wishes to build high towers
must spend much time
near the foundation.

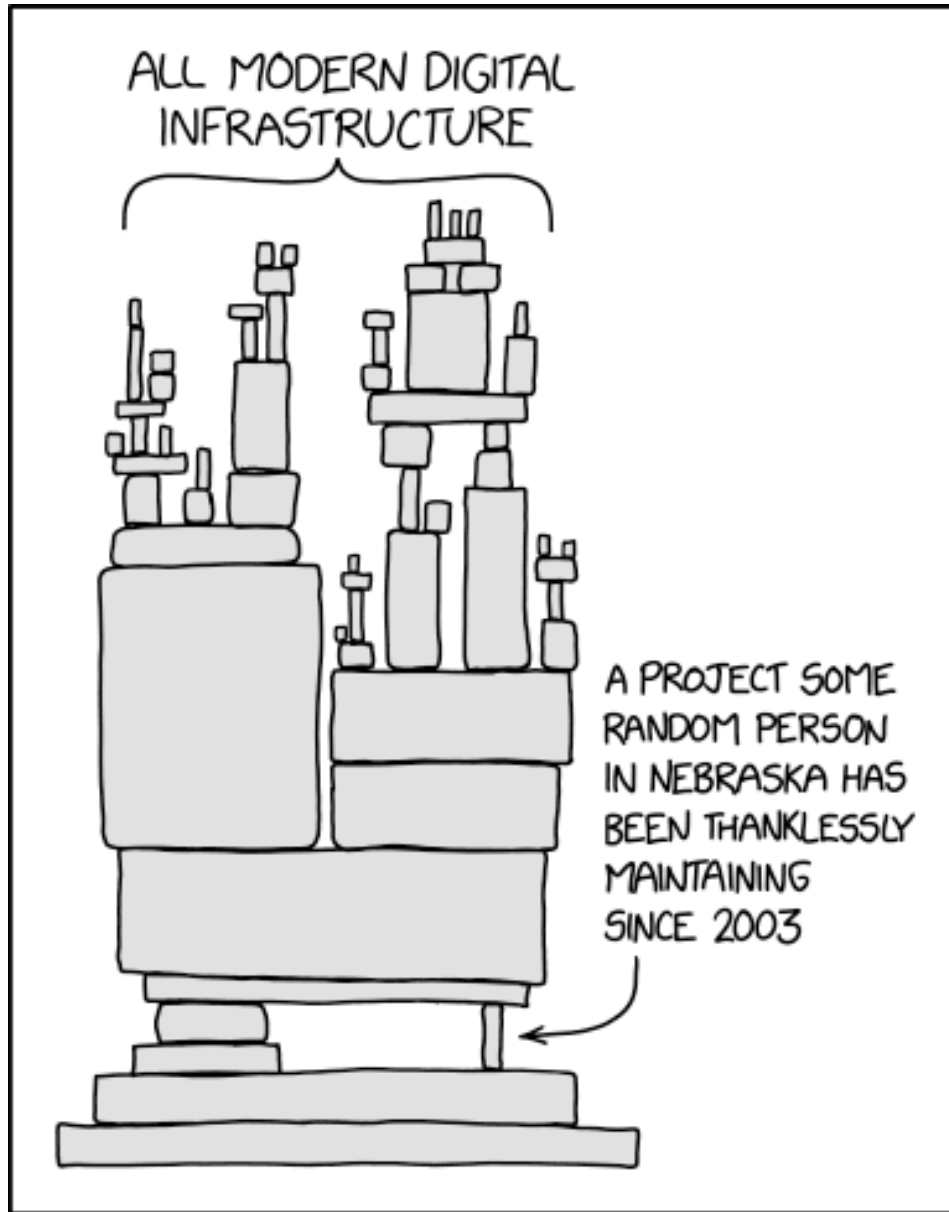
Anton Bruckner





Source: <https://unsplash.com/photos/AF36q06J8fQ>

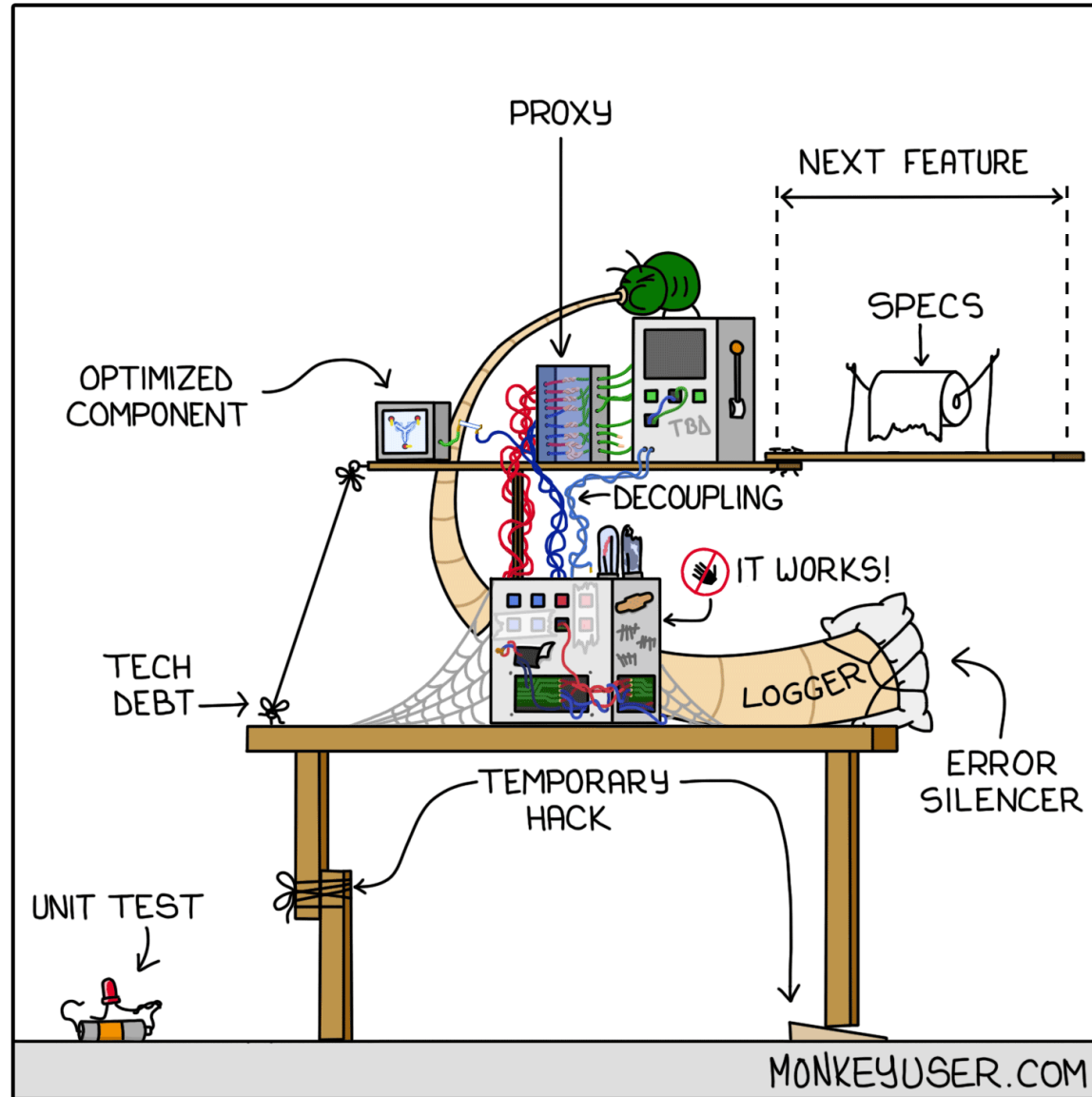




Source: <https://xkcd.com/2347/>



v 2.0.1



Source: <https://www.monkeyuser.com/2019/v-201/>

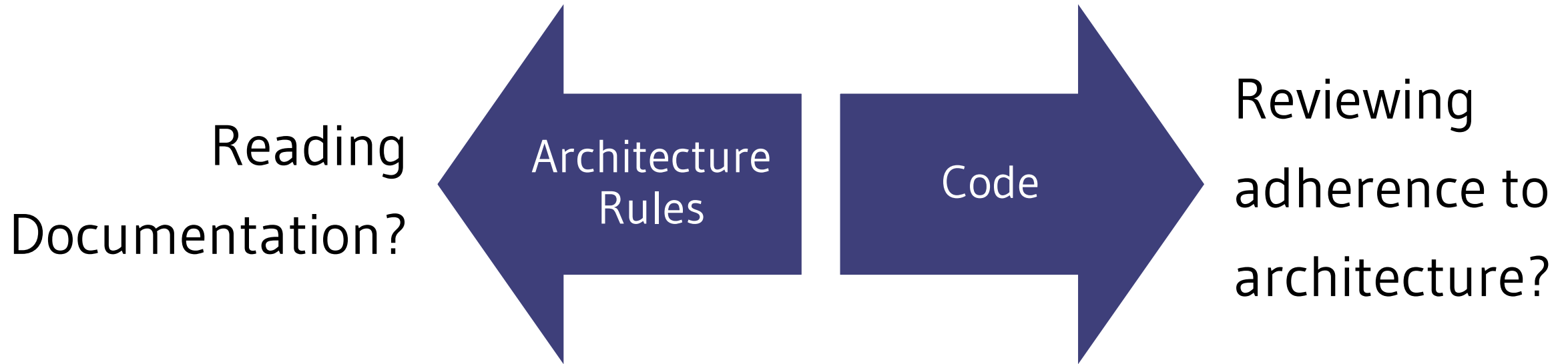




Source: <https://unsplash.com/photos/snNHKZ-mGfE>



Your usual Challenges



Architecture and Code will diverge





“ArchUnit is a free, simple and extensible library for checking the architecture of your Java code using any plain Java unit test framework. That is, ArchUnit can check dependencies between packages and classes, layers and slices, check for cyclic dependencies and more. It does so by analyzing given Java bytecode, importing all classes into a Java code structure.”

<https://www.archunit.org/>

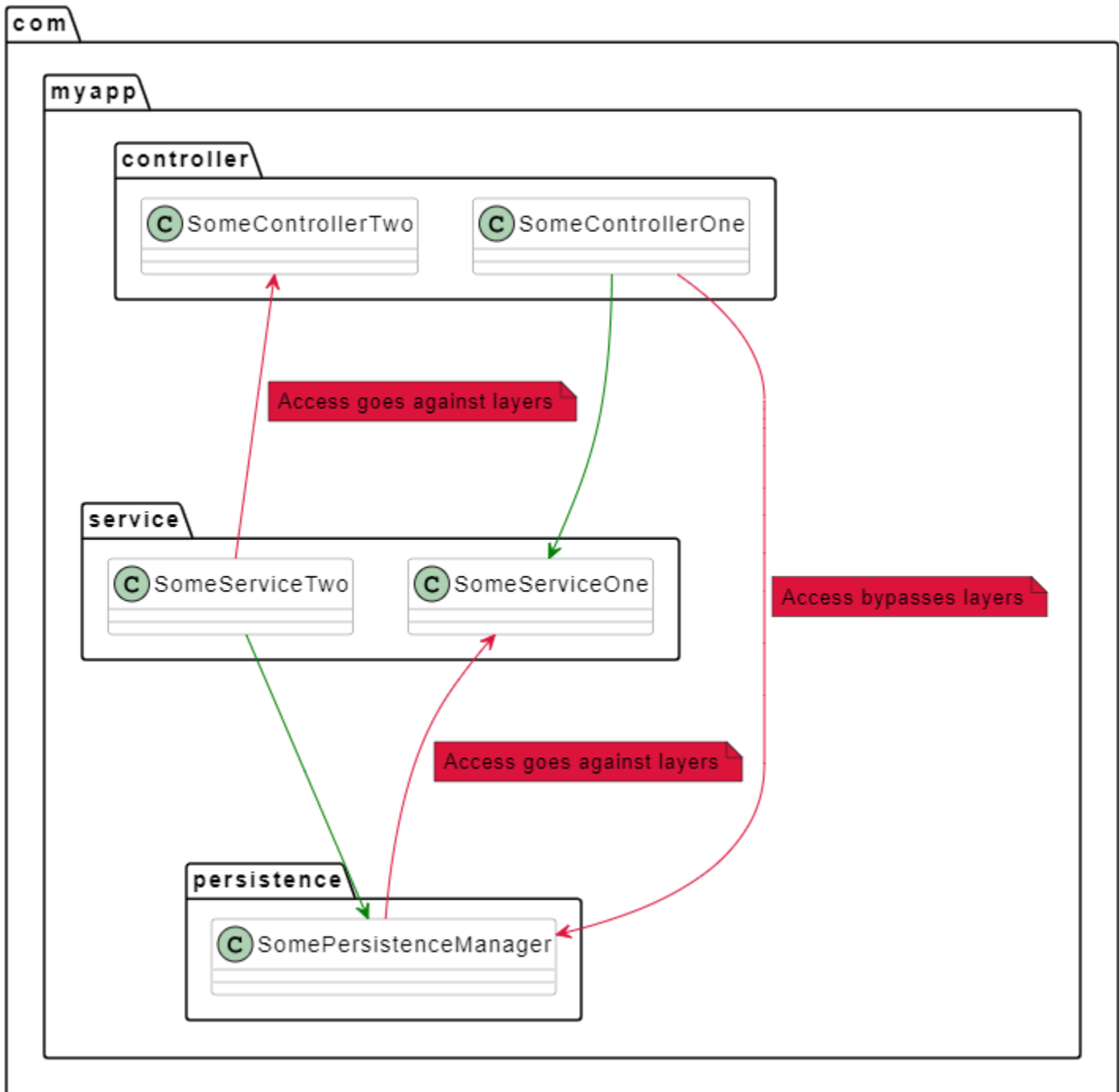




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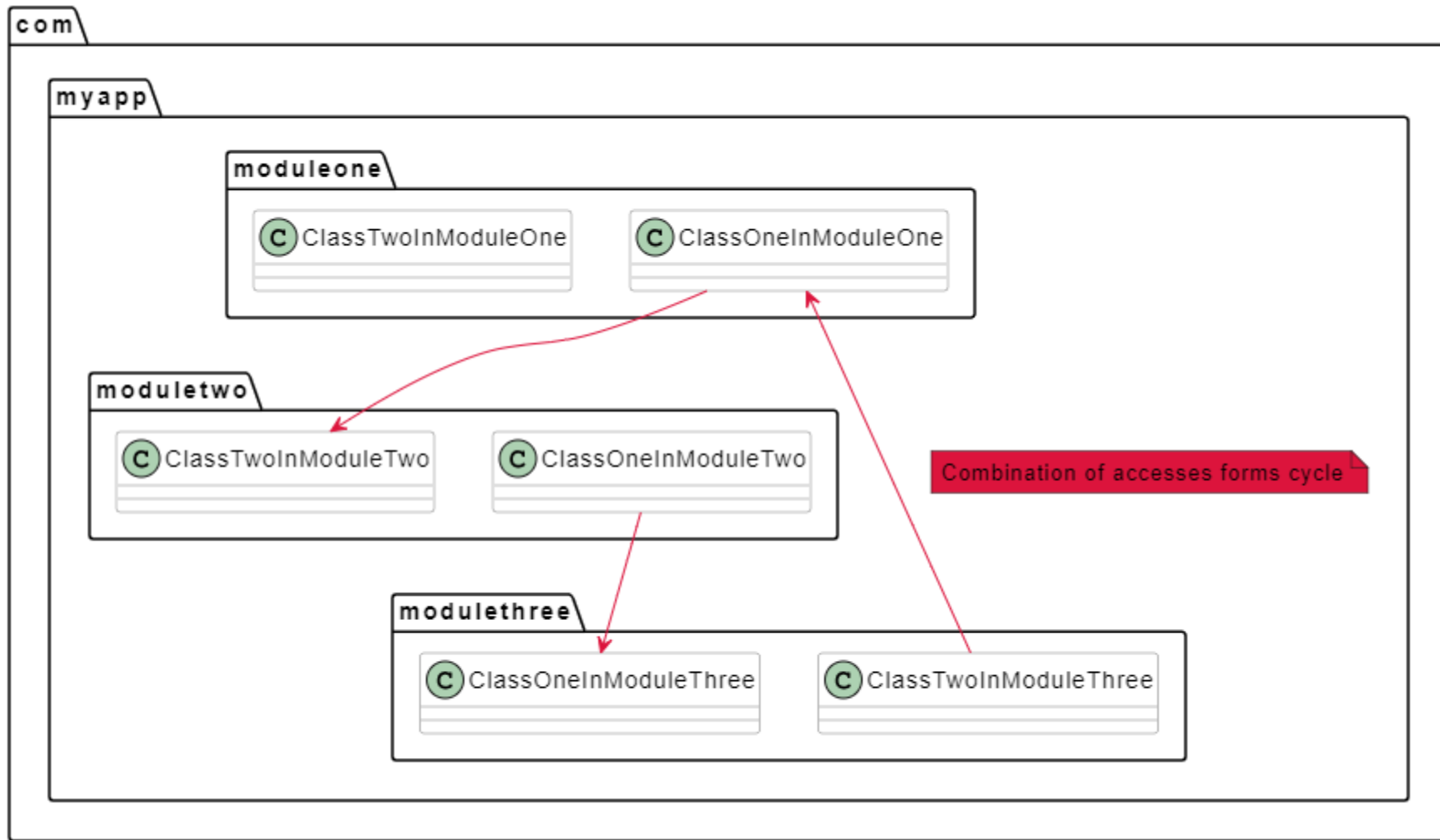




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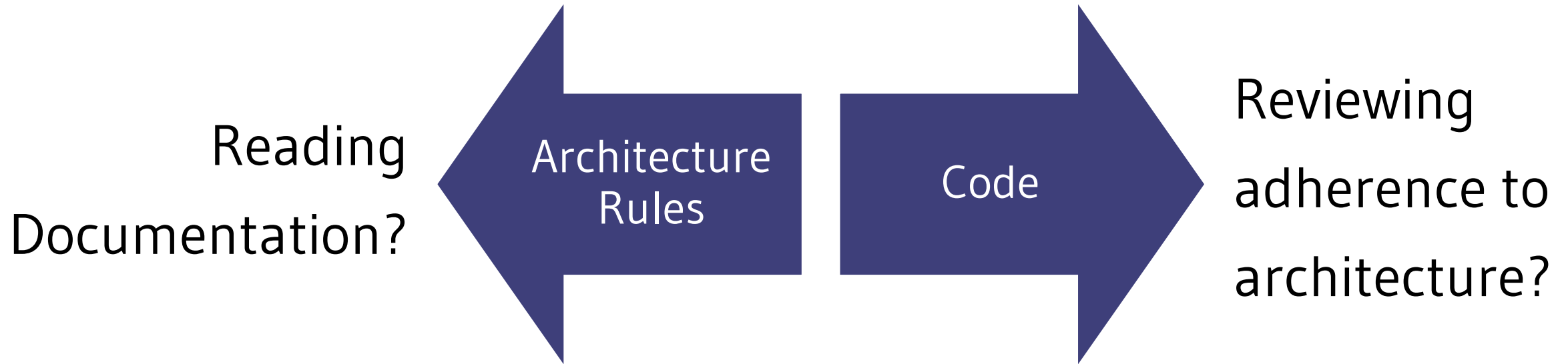
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Demo



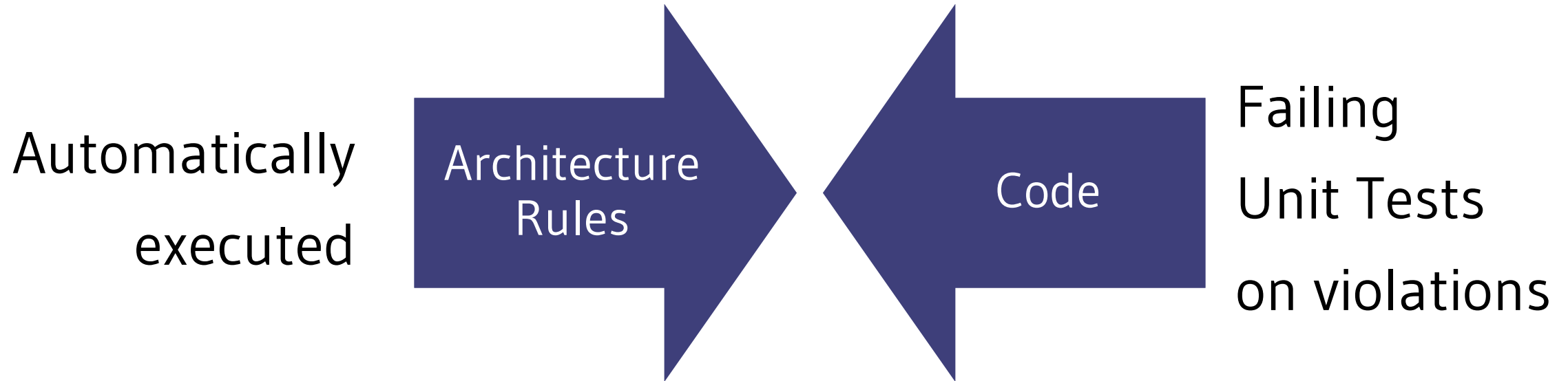
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Benefits of using ArchUnit



Easy to use in legacy projects 😊



Java[™]magazin

Strukturelle Fehler frühzeitig finden und vermeiden

ArchUnit: Unit-Tests für die Java-Architektur

Ende November 2023





rweisleder/**archunit-spring**

Small library to simplify writing ArchUnit tests for Spring applications

<https://github.com/rweisleder/archunit-spring>



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Testing can detect only
the presence of errors,
not their absence.



Unit Test Your Java Architecture With ArchUnit

Code

github.com/rweisleder/archunit-talk-examples

github.com/TNG/ArchUnit-Examples

Docs

archunit.org

jmolecules.org

Slides

speakerdeck.com/rweisleder/unit-test-your-java-architecture-with-archunit

Want to Bring Your Legacy Java System Into the Future?

roland@rweisleder.de

linkedin.com/in/roland-weisleder

