Long-term IT projects

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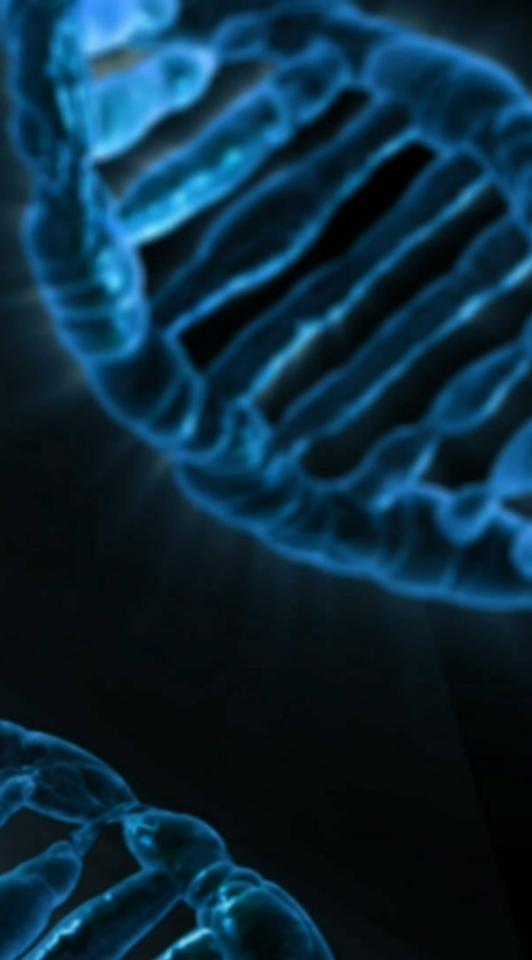
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0. Dislaimer



1. Analysis



What to build?



What problem to solve?



The root of all evil in programming is misunderstanding of the problem. Ask right questions to right people before first line of code.

Mariusz Gil

Source: https://twitter.com/mariuszgil/status/897006258770903040

Tech people must speak the language of Business people, not vice versa.

Stefan Priebsch

Source: https://twitter.com/baehr17/status/913348099795537920

Domain Driven Design

Event Storming

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Waterfall vs Agile



The Only Thing That Is Constant Is Change

Heraclitus

2. Architecture



Monolith vs Microservice

you shouldn't start a new project with microservices

Martin Fowler

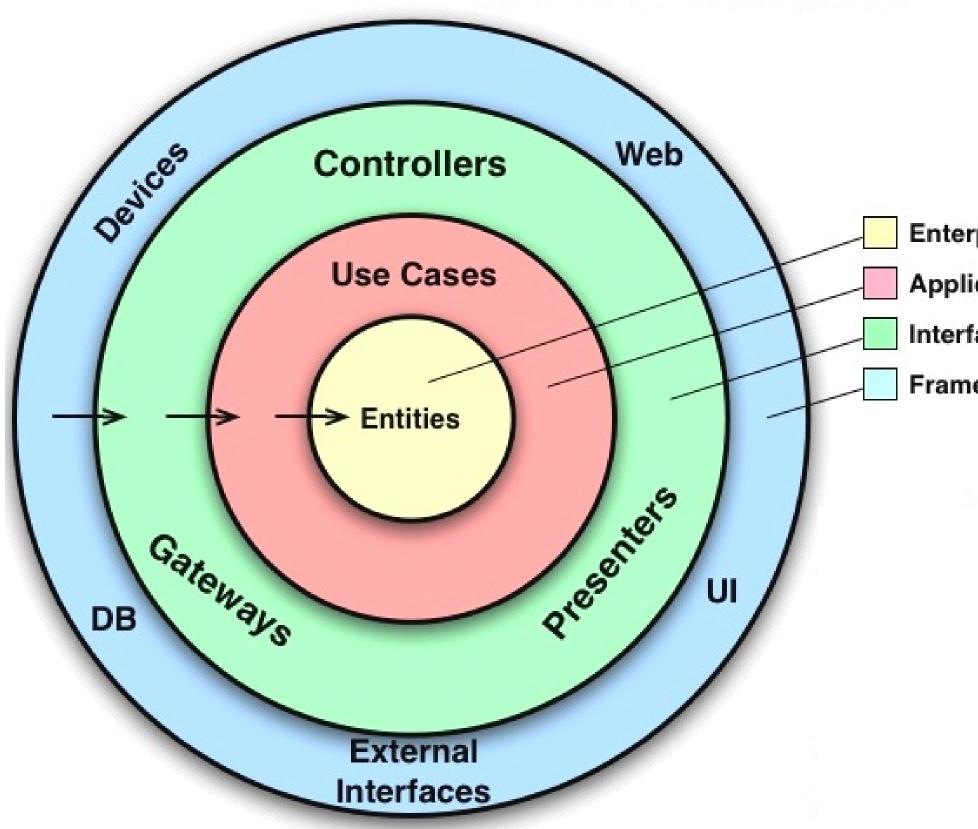
Source: https://www.martinfowler.com/bliki/MonolithFirst.html

Service Oriented Architecture



Clean architecture





Enterprise Business Rules Application Business Rules Interface Adapters Frameworks & Drivers

You're not unique





microservices serverless artificial intelligence machine learning blockchain nosql virtual/augmented reality internet of things cloud computing deep learning quantum computing



Fashionable software carries risk. Consider the business context and take risks when it makes your business different.

Jon Topper

Source: https://twitter.com/miss_jwo/status/905753287328137216





Behaviour Drive Development

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If it's hard to write a test, it's a signal that you have a design problem, not a testing problem.

Kent Beck

Source: Extreme Programming Explained by Kent Beck

4. Code review

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5. Continous ...



Continous integration



Continous deployment









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Business Metrics

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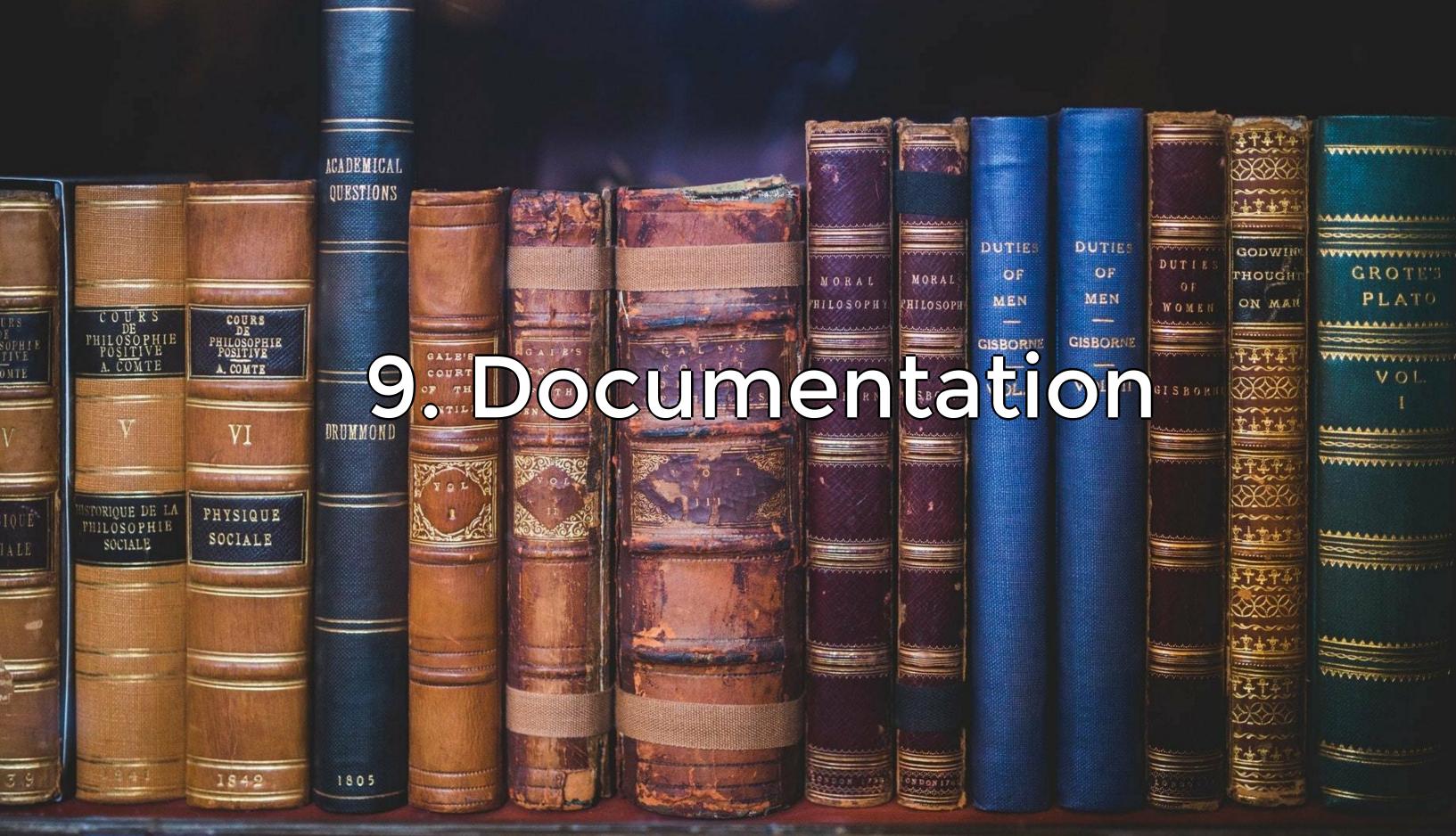
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8. Automation



If it moves, automate it!



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10. Communication



It's not a soft skill



It's core skill!



I wish the understanding were more widespread that we plateau in coding skill *mid-career, it is all about communication* after that.

Denton Gentry

Source: https://twitter.com/dgentry/status/906758809678254080

Thank you!

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