

Engineering Manifesto

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The Manifesto

Companies are created to add value to the customers and to make profit.

None of these two are optional.

Hence, with decades of diverse experience in companies of the "tech" industry the following conclusions have been reached by us:

We, the "Engineers" prefer to:

1. **Deliver Result** over ~~Dogma~~
2. **Facilitate Customer Happiness** over ~~Social Boasting~~
3. **Demonstrate Working System** over ~~Discussion along Documents~~
4. **Collaborate in Federation** over ~~Authoritative Committee~~
5. **Be Responsible** over ~~Transfer Control~~
6. **Question assertions** over ~~Axiomatisation~~

That is, while we see some value in the elements of the right, we prefer elements of the left over right any day.

If you are here to get a hold of what **Engineering Culture** should look like, this was more than enough.

Why This Document

In the last few decades it has been customary to talk about "Awesome Engineering" instead of "Why Engineers get paid".

"Profit" has become a dirty word. Given the current economics of the world, for the coming decades no profit dictum along with assertions on existence of tech teams will be heavily challenged.

Therefore it has been necessary to come up with an Engineering Manifesto which clearly talks about what is expected out of Engineering division in any "Tech" company.

Algorithm

As an Engineer, before any task - ask the following questions:

1. I am delivering this to who?
2. Is that "who" my customer from where the company earns money?
3. How my work will make my paid customers happy?
4. What it would take for me to demonstrate a prototype to showcase the value to the customer?
5. Because I should take responsibility for success of the project, what sort of collaboration & federation I need to develop the same?
6. Can I defend my paycheck by successfully answering all these questions ?

These are a reduced form of 5Ws.

Ok

1. To Fail (success is mostly luck & some hard work)
2. Rely on Others - as Collaboration
3. Ask as many questions as one wants

Not Ok

1. Fail indefinitely (can not always be attributed to luck alone)
2. Not learning from Failure
3. Make others do ones work
4. Commit and Not Deliver

One Liner

In conclusion the Manifesto is stack based. In plain English one can read it as follows:

Via **Questioning Axioms** - one can **Responsibly Collaborate** to come up with a **Working System** that drives **Customer Satisfaction** and hence **Producing Results**.

Further Reading

1. Rant by Ryan Dahl - <https://gist.github.com/cookrn/4015437>
2. ZoomBA Manifesto - https://gitlab.com/non.est.sacra/zoomba/-/blob/master/_wiki/00-Begin.md#manifesto-for-zoomba-development
3. Software As Engineering - <https://nmondal.github.io/assets/pdfs/eng.pdf>
4. Learning by Shipping - <https://medium.learningbyshipping.com>
5. What Investors wants to see - <https://www.thebalancemoney.com/what-investors-want-to-see-in-financial-statements-4067557>
6. Increase Reports of Fraud - <https://www.forvis.com/alert/2021/06/increased-reports-fraud-in-technology-industry>
7. 5WS - https://en.wikipedia.org/wiki/Five_Ws
8. Mythical Man Month (Because it is mandatory to have reference to this) - <https://en.wikipedia.org/wiki/TheMythicalMan-Month>