Building a strong and explicit *engineering culture*.

Rémi Prévost · Mirego

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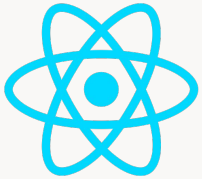
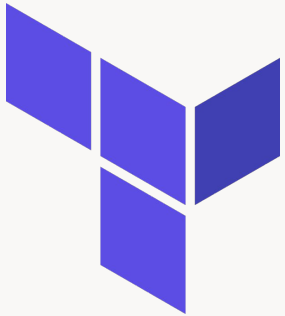

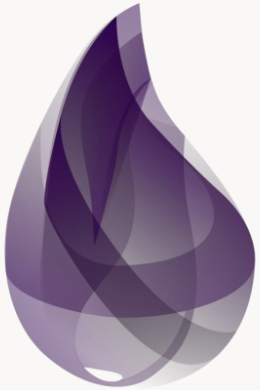
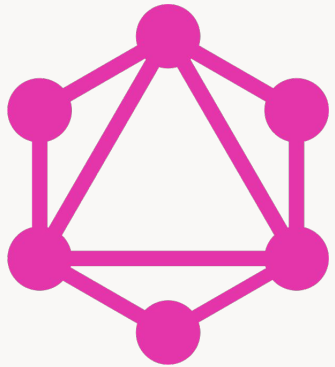

Engineering culture.

Culture.

📚 Wikipedia definition

*Culture is defined as "**what is common to a group of people**" and "**what brings it together**", what is **learned**, **passed on**, **produced** and **created**.*

Engineering.

📚 Wikipedia definition

*Engineering is the use of scientific principles to **design**, **build** and **control** structures, machines and other **technical** or industrial installations.*

Engineering culture.

🙋 My definition

*The principles upon which an organization or a team **aligns its vision** and its **decisions** regarding its engineering practices—both **human** and **technical**.*

Organic and implicit.

~~Abstract values~~.

Concrete principles.

Principles

📍 The importance of milestones.

The importance of the recipe.

The importance of autonomy.

✊ The importance of ownership.

The importance of consistency.

🌿 The importance of patience.

The importance of communities.

The importance of the *craft*.

📍 The importance of milestones.

Writing code → *Shipping* code

The importance of the recipe.

Perfecting our way of doing things

The importance of autonomy.

Rules vs. *guidelines*

✊ The importance of ownership.

Individual ownership + team ownership

The importance of consistency.

Clever code vs. *maintainable* code.

The importance of patience.

Encouraging the act of *not* writing code

The importance of communities.

Not just importing *code*—other things around it too

🥯 The importance of the *craft*.

It’s OK to care about this stuff

Principles

📍 The importance of milestones.

The importance of the recipe.

The importance of autonomy.

✊ The importance of ownership.

The importance of consistency.

🌿 The importance of patience.

The importance of communities.

The importance of the *craft*.

📝 Explicitness

*“We’re doing it this way because it’s **how we’ve always done it**.”*

👥 Team

*”Do we have an **implicit** engineering culture?”*

*“Are there things we do the same way **most of the time**?”*

*“Do we have a **reason** for how we do things?”*

🚀 Evolution

*“Are we still **aligned** with our values and principles?”*

*“Are we **saying** we do something a certain way... but end up **ignoring** it most of the time?”*

Engineering culture.

*"**Explicit** & known"*

*"Built as a **team**"*

*"Evolving by reflecting on **how** and **why**"*

Thank you!

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