

**Tobie Langel** (@tobie) Principal, UnlockOpen

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Photo: Dix can

Making the business case for contributing to open source

## 



OF APPS CONTAIN OPEN SOURCE COMPONENTS 5790 OF CODEBASE IS OPEN SOURCE

Source: Black Duck 2018 OSSRA

# And yet...

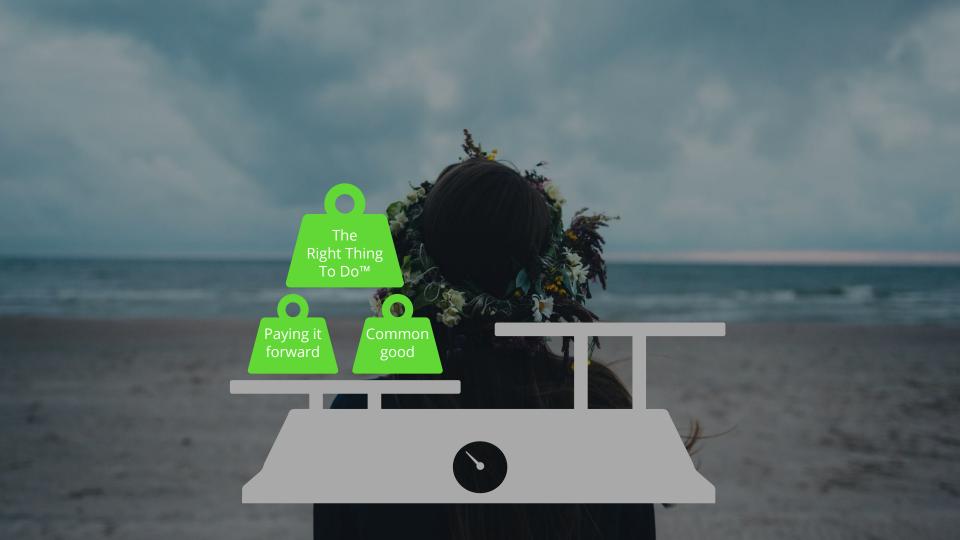
## ...few companies contribute back.

### Why should companies *contribute* to open source?

Common good The Right Thing To Do™



Etc.





# The **ROI** of *using* open source is well understood.

The **ROI** of *contributing* to open source: not so much.



#### The **risk** of *contributing* to open source is:

- not well understood,
- generally exaggerated.

# **Understanding** the value of contributing to open source

- 1. Strategic benefits
- 2. Operational benefits
- 3. Second-order benefits

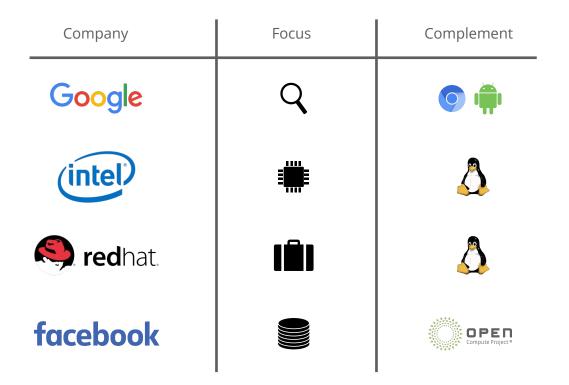


# **Understanding** the value of contributing to open source

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### **Commoditize Your Complement**





## **On-ramp developers**

41

# **Understanding** the value of contributing to open source

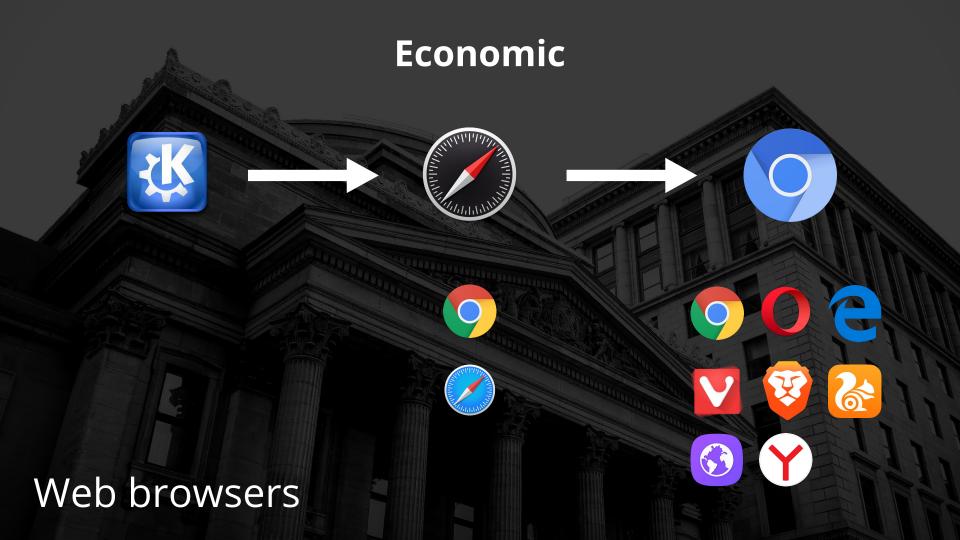
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### Payback Technical Debt

Seile

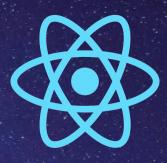
L9-10



### Leverage external contributions



**React Router** 



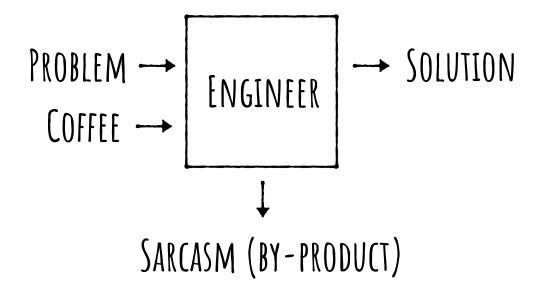
Redux

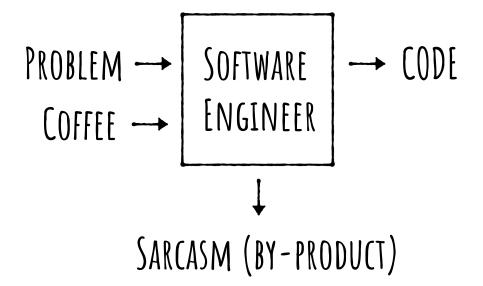
React Ecosystem

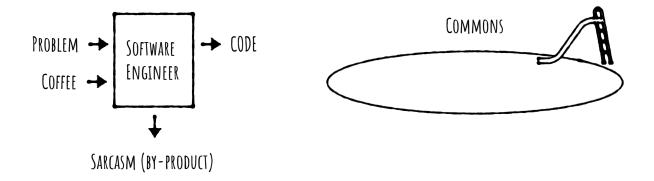
# **Understanding** the value of contributing to open source

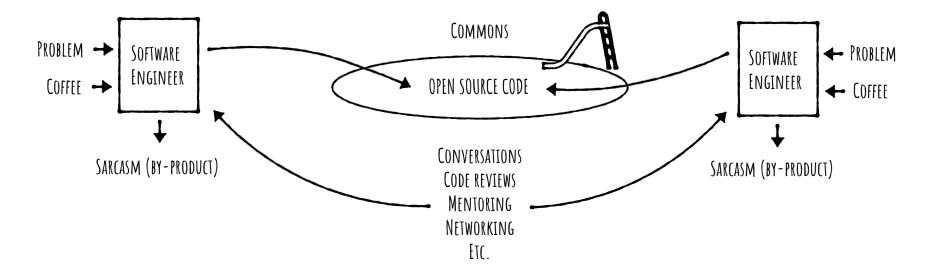
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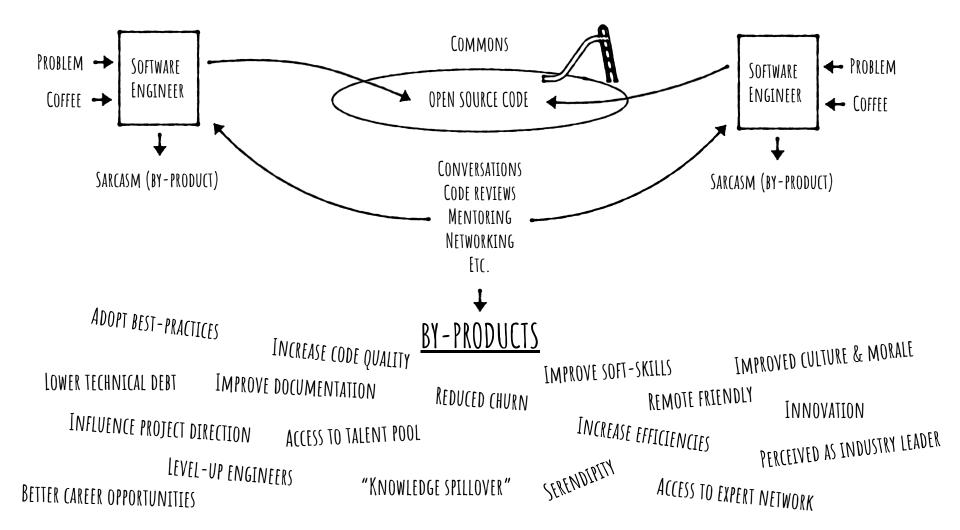














IMPROVE DOCUMENTATION INCREASE CODE QUALITY LOWER TECHNICAL DEBT INFLUENCE PROJECT DIRECTION

PROJECT

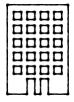
LEVEL-UP ENGINEERS ADOPT BEST-PRACTICES IMPROVE SOFT-SKILLS ACCESS TO EXPERT NETWORK BETTER CAREER OPPORTUNITIES

INDIVIDUAL

INCREASE EFFICIENCIES SERENDIPITY INNOVATION "Knowledge spillover"

TEAM

ORGANIZATION



IMPROVED CULTURE & MORALE PERCEIVED AS INDUSTRY LEADER ACCESS TO TALENT POOL REMOTE FRIENDLY REDUCED CHURN

# $2 \times$

#### **TWICE AS EFFICIENT**

Contributing firms capture up to 100% more productive value from usage of open source than their free-riding peers.



Source: Franck Nagle, <u>Learning by Contributing</u>, 2017.



75% of facebook's new engineering recruits mention facebook's open source program as a key reason they accepted their offer as a key reason they accepted their offer





"But we also noticed some effect that we didn't expect. All the public visibility [sponsoring Webpack] have given us lead to a situation where we suddenly became one of the most interesting companies to work for as a JavaScript developer. [...]"

"We've hired a lot of really great engineers who mentioned during their job interview that our sponsoring for Webpack was one of their primary motivations for applying, [...]"

> —Patrick Gotthardt, Lead JavaScript Architect, Trivago, <u>9 July 2018</u>.





# Mitigate the risk of contributing to open source

### Lost competitive advantage

### "I skate to where the puck is going to be, not to where it has been."

–Wayne Gretzky





"In today's world of fast-paced internet services deployment, owning IP has become considerably less important than turning research results into innovative products as quickly as possible, and deploying them at scale."

-Yann LeCun, Business Insider, Aug. 3, 2018.





**Wasted resources** 



Lack know-how







### Now it's your turn!



### Now it's your turn!

- Framework to think in terms of business tradeoffs.
- A toolkit of benefits and mitigation strategies.
- See how it applies to **your** organization.



### Now it's your turn!

- Be reasonable.
- Show empathy to others' needs in the organization.
- Aim for small wins. Start small.
- Remember it's a mindset shift.



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Thank you!

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