

How we support making architectural decisions

Olena Sovyn

- Staff Software Engineer
- 11 years in Software industry, 6 of which at Webflow
-  and 



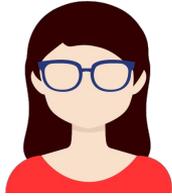
1 year ago...



Made the best
architectural
decisions

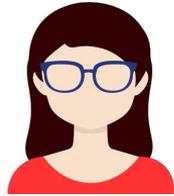


1 year ago...



Hi! It is me,
Olena

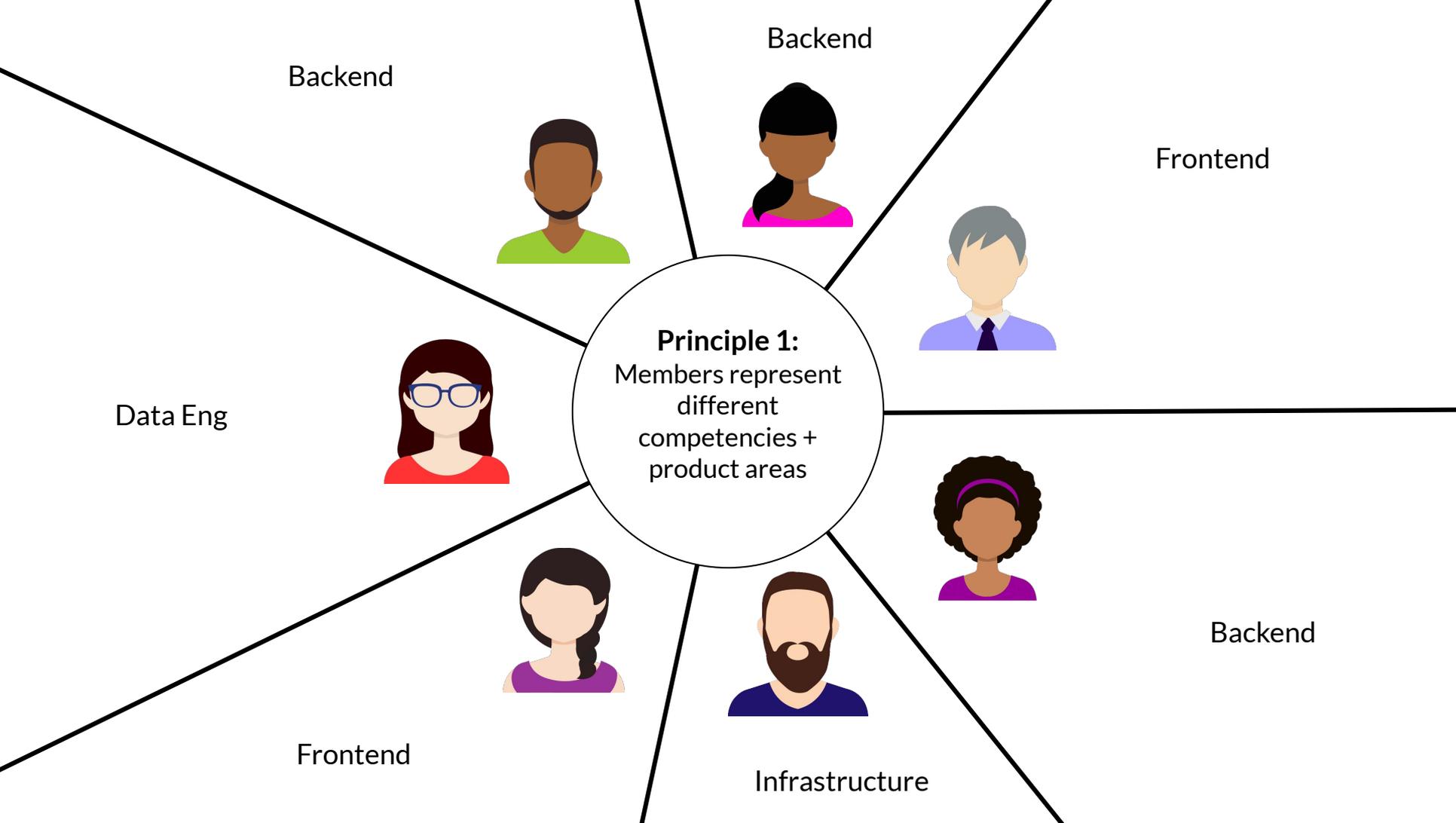


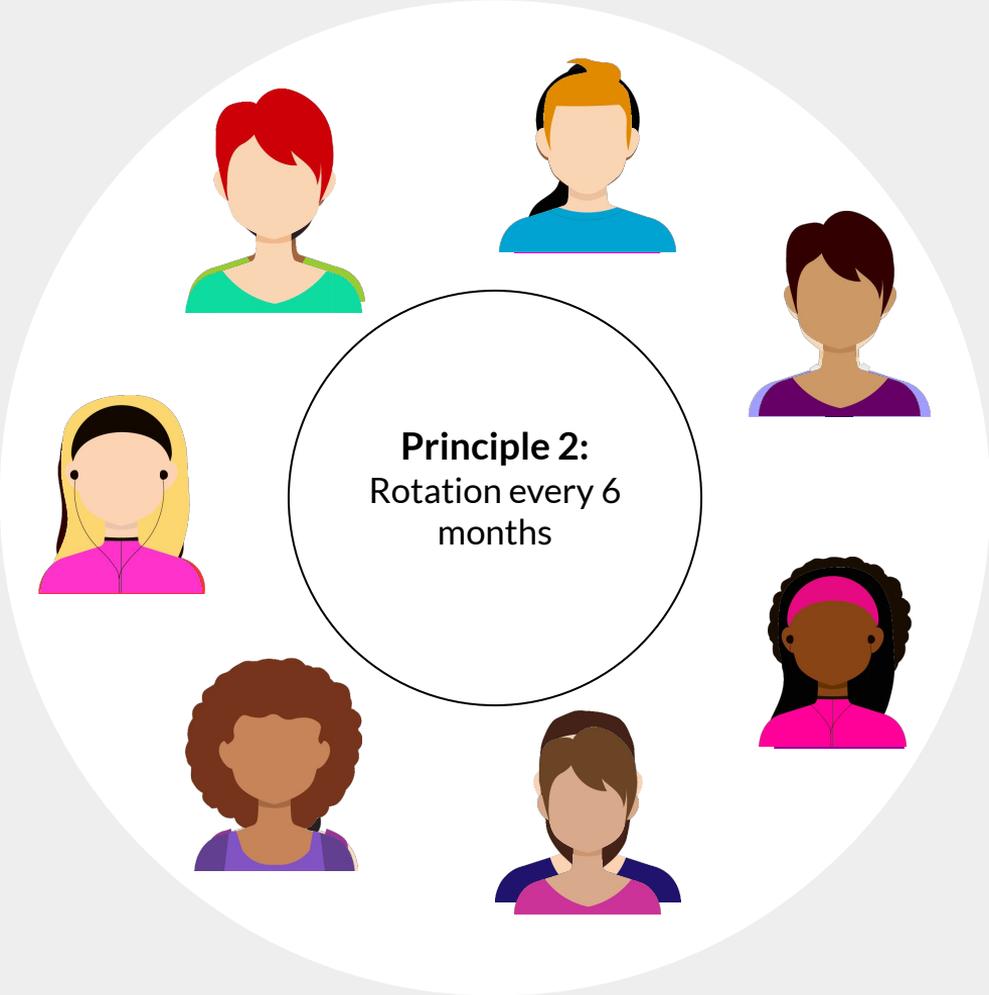


Technical
Design
Architecture
Advisors

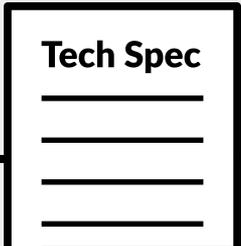








Principle 2:
Rotation every 6
months



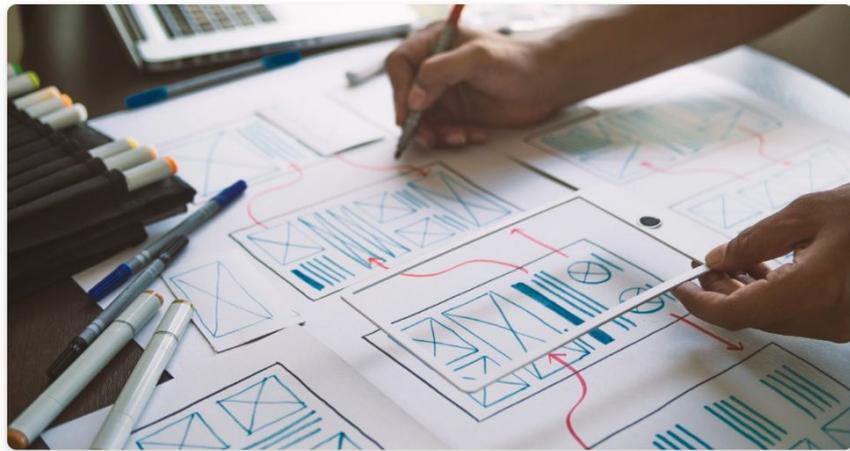
code-for-a-living APRIL 6, 2020

A practical guide to writing technical specs

Writing a technical spec increases the chances of having a successful project, service, or feature that all stakeholders involved are satisfied with. It decreases the chances of something going horribly wrong during implementation and even after you've launched your product.



Zara Cooper



<https://stackoverflow.blog/2020/04/06/a-practical-guide-to-writing-technical-specs/>

What is in our tech spec template?

Intro

- Glossary
- Background
- Goals, Non-goals, Future goals
- Assumptions
- Related Documents

Solution

- Current Solution
- Proposed Solution
- Alternative Solutions

Further Considerations

- Tech wealth
- Dependencies
- Documentation
- Risks

Development Plan

- Development stages
- Test plan
- Monitoring plan
- Release plan
- Infrastructure
- Analytics
- Performance
- Security

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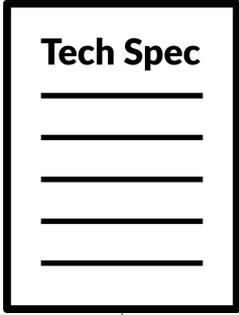
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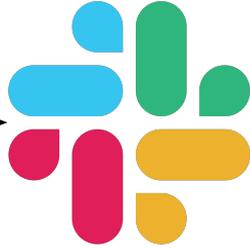
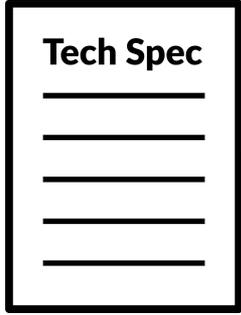
Further Considerations

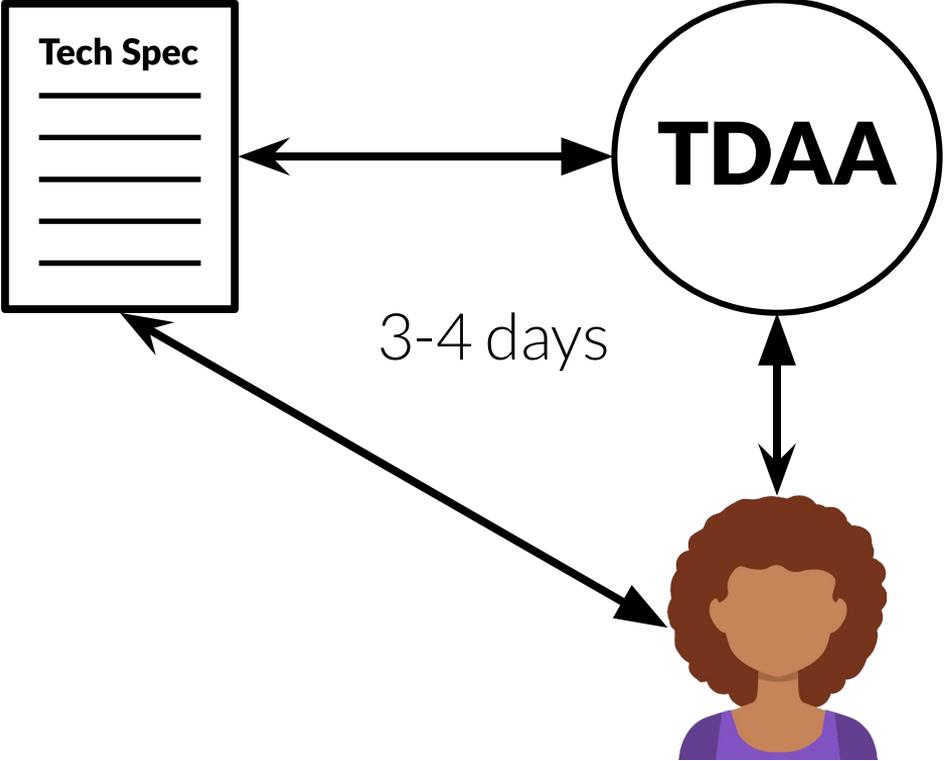
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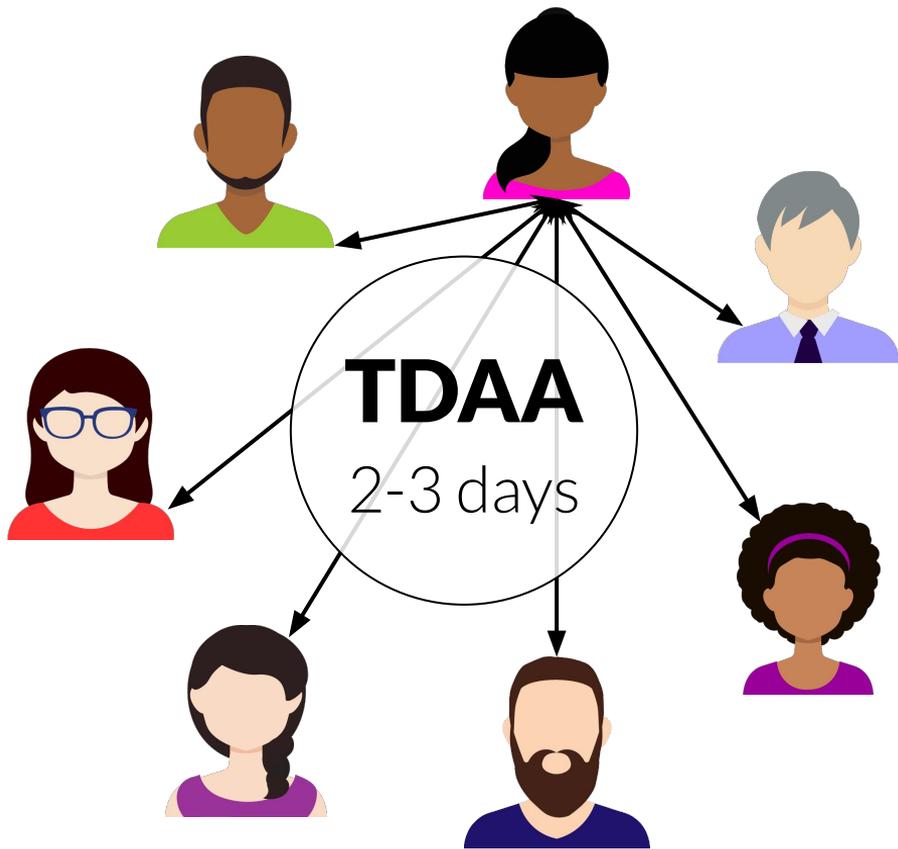
Development Plan

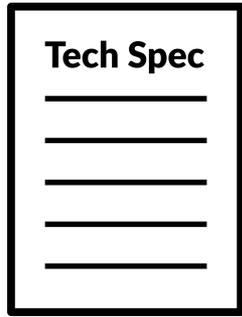
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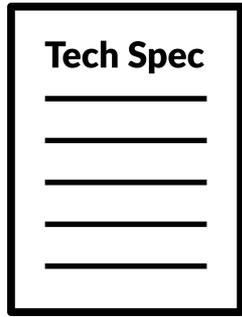






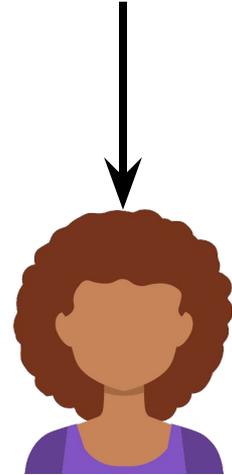


- Sponsored
- Needs Updates
- Not Recommended
- Review Not Needed
- Escalated



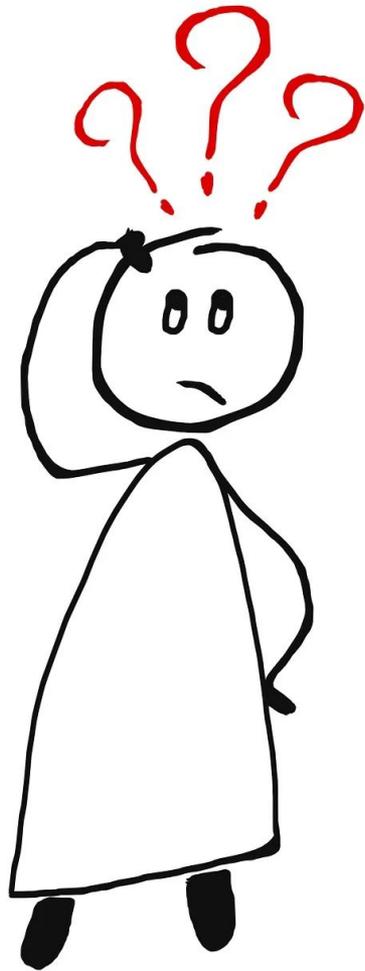
TDAA

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- Escalated



TDAA





Thinking in Bets

Making Smarter Decisions

When You Don't

Have All the Facts

Annie Duke



O'REILLY

The Staff Engineer's Path

A GUIDE FOR INDIVIDUAL CONTRIBUTORS
NAVIGATING GROWTH AND CHANGE

TANYA REILLY

Foreword by Camille Fournier, author of *The Manager's Path*



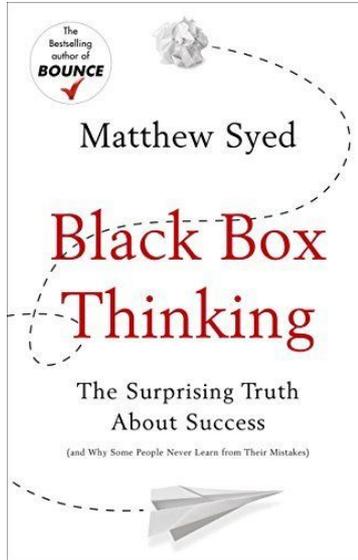
“Our lives are too short to collect enough data from our own experience to make it easy to dig down into decision quality from the small set of results we experience”

Decision are affected by individual **biases**:

- Confirmation bias
- Selection bias
- Hindsight bias
- etc.

“Good decisions **need context**...

... best decision for a single group, might not be anything like the best decision when you take a broader view”



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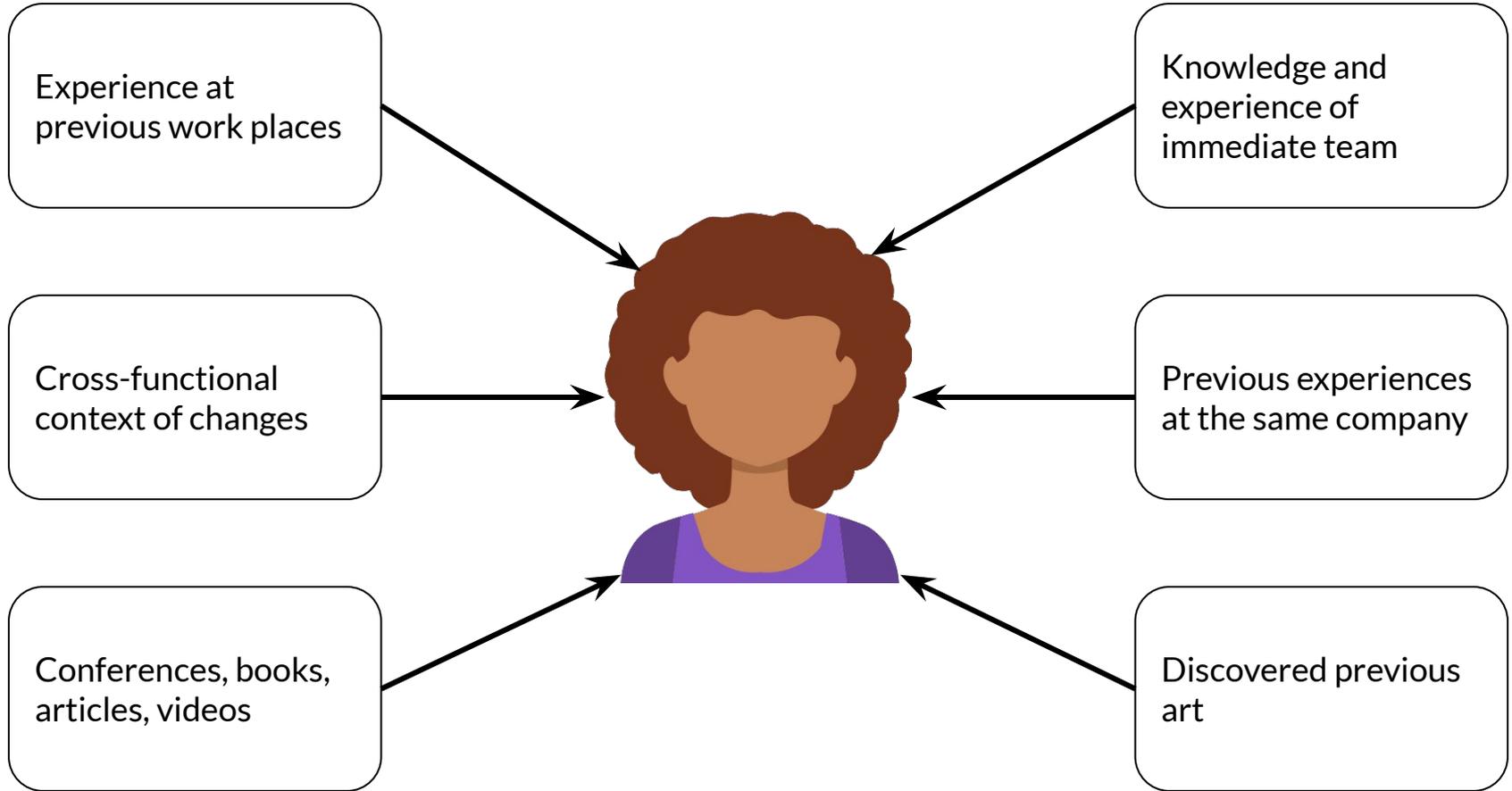
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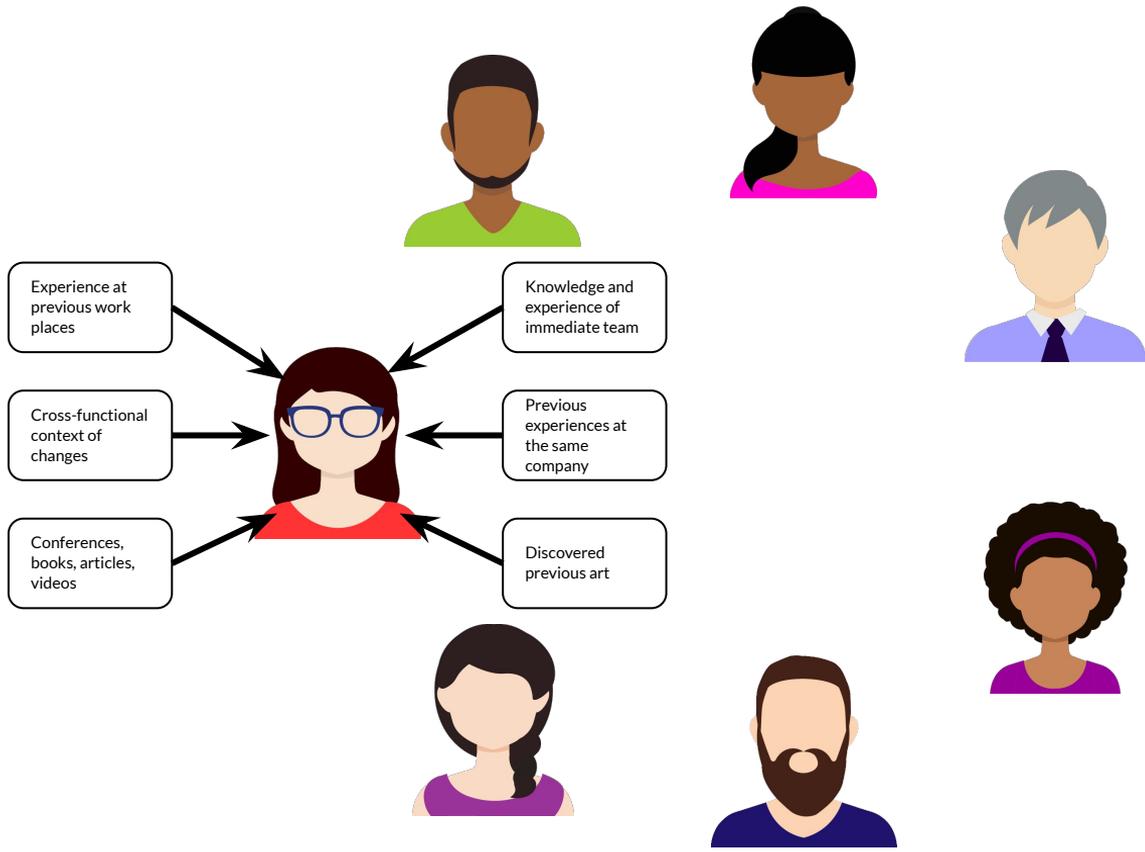
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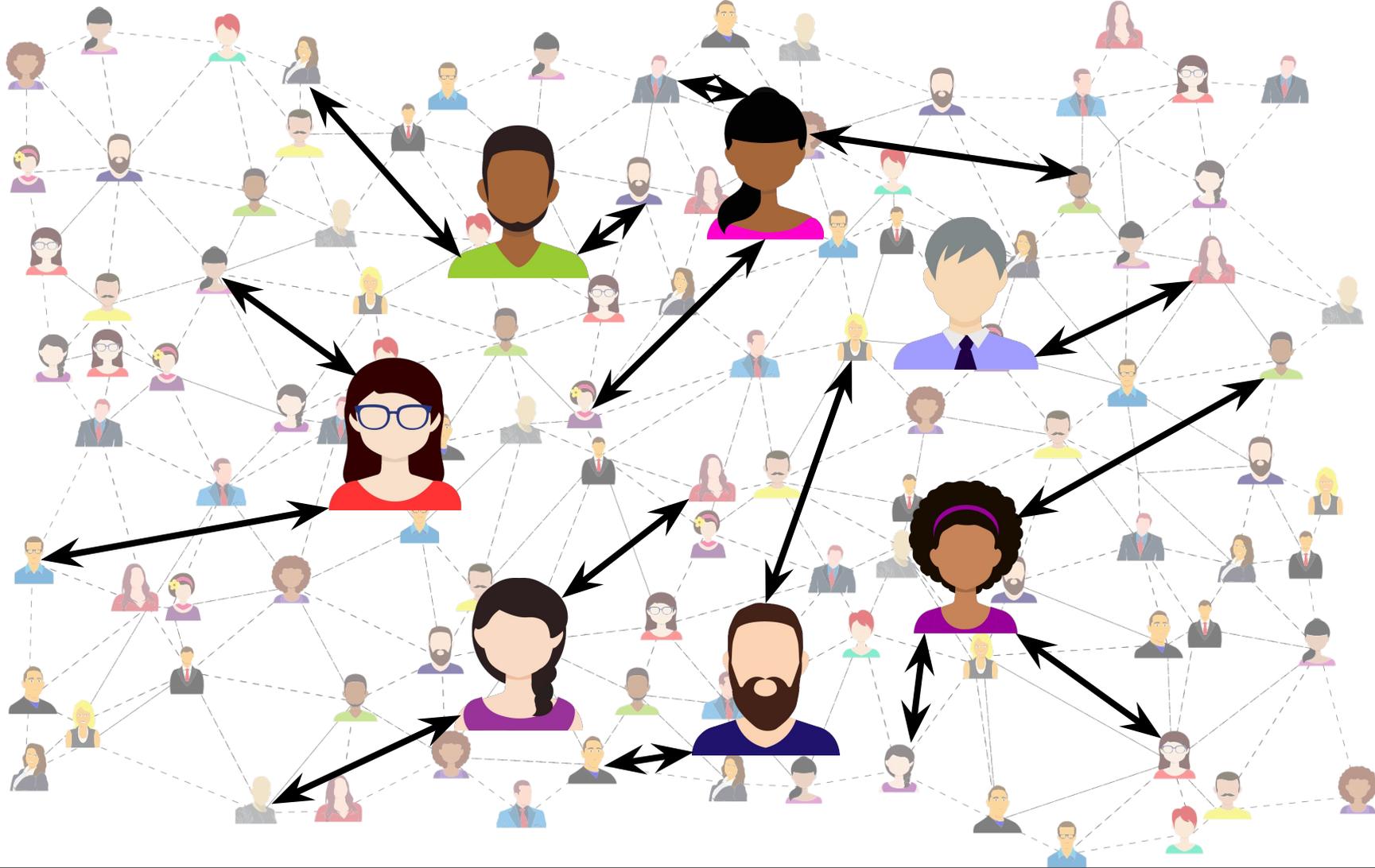
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Making decisions in public





Making decisions in public

Proposed changes	Resolution	Link to tech spec
Infrastructure Changes 1	Sponsored	https://docs.google.com/
Feature ABC	Review Not Needed	https://docs.google.com/
Refactoring proposal	Escalated	https://docs.google.com/





Made the best
architectural
decisions



Who was it?

It wasn't **ONE** person

