



Code review

Starting point of a conversation

22.02.2022, Dominique Bartholdi

swisscom





Dominique Bartholdi

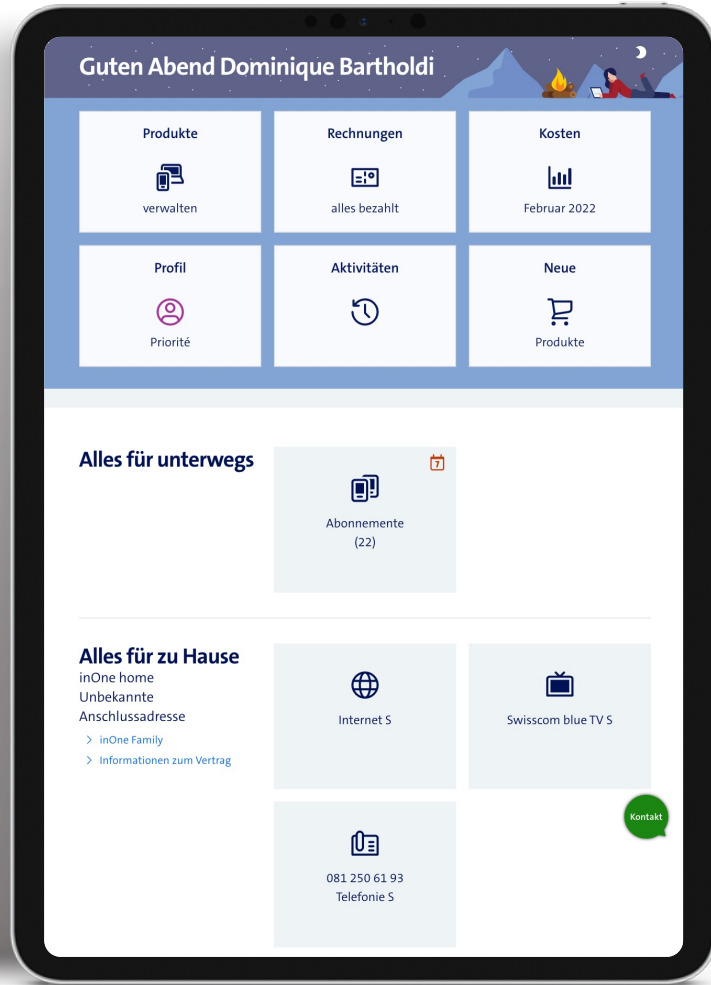
**Senior Software Developer & Frontend techlead
@Swisscom**

Passionate about the web



dominique.bartholdi1@swisscom.com

<https://www.linkedin.com/in/dominique-bartholdi-06b15851>



MySwisscom

www.swisscom.ch/myswisscom

Frontend monolyth

Spring Java micro service backend

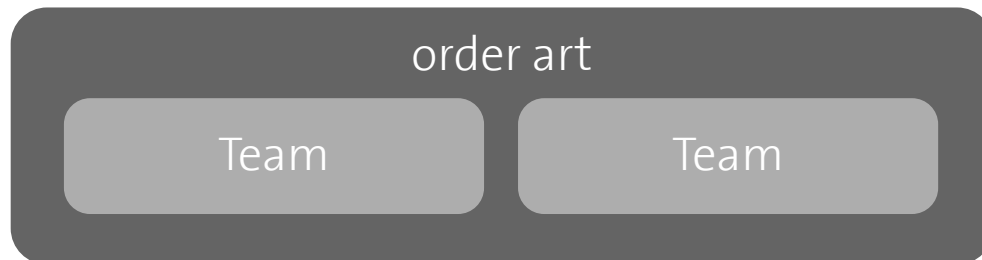
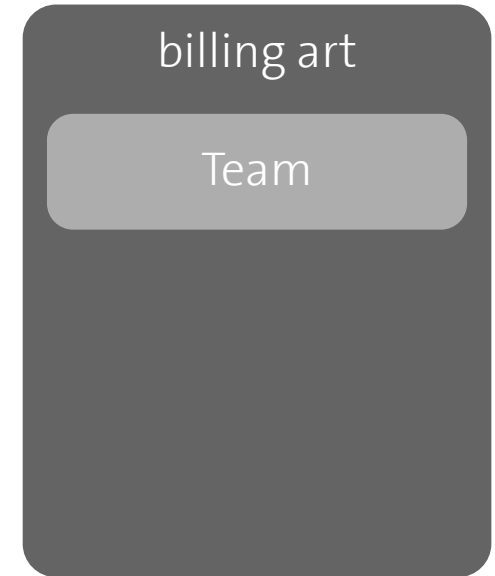
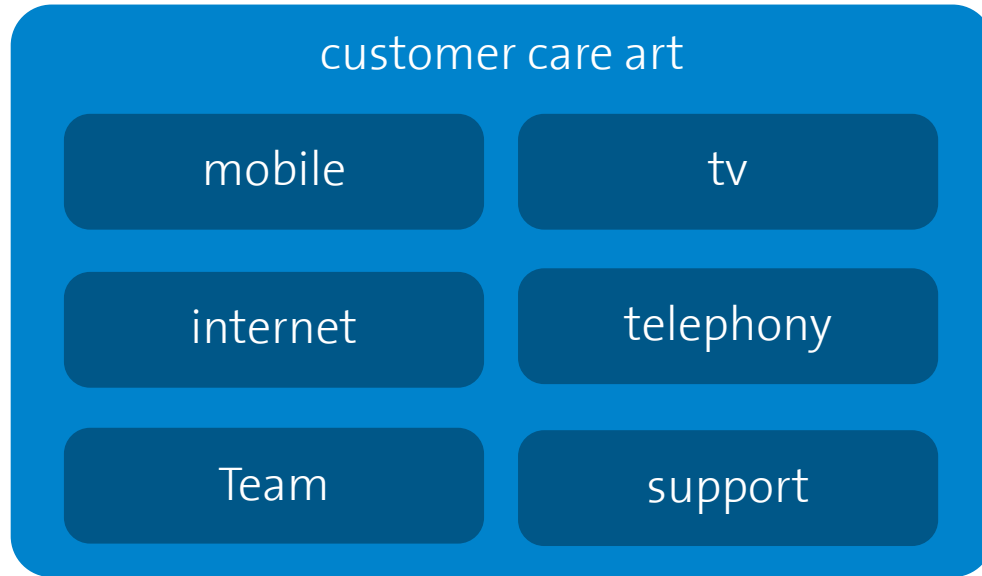
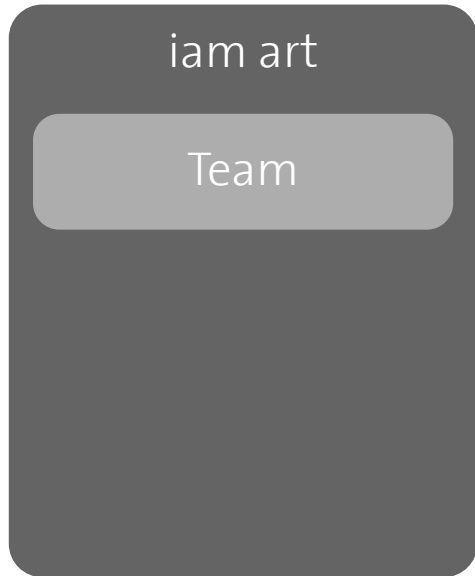
Trunk based development

2 production releases weekly





Organisation





Mindset & culture

- **non-judgemental** attitude
- **openly discuss** different solutions
- **deal** with positive and critical **feedback**
- We **respect** people's **time** and try not to waste theirs unnecessarily



Where?



- Design decisions

- Pull request

- Alternative to retrospectives



When? Can I merge

- Green build
- 2 code reviewers and approvals
- No merge conflicts
- No open tasks





Green build

Building & Testing

Compiling code

Unit testing / Jest

E2E testing / Cypress

Formatting

Opinionated formatting

Prettier

Static code analysis

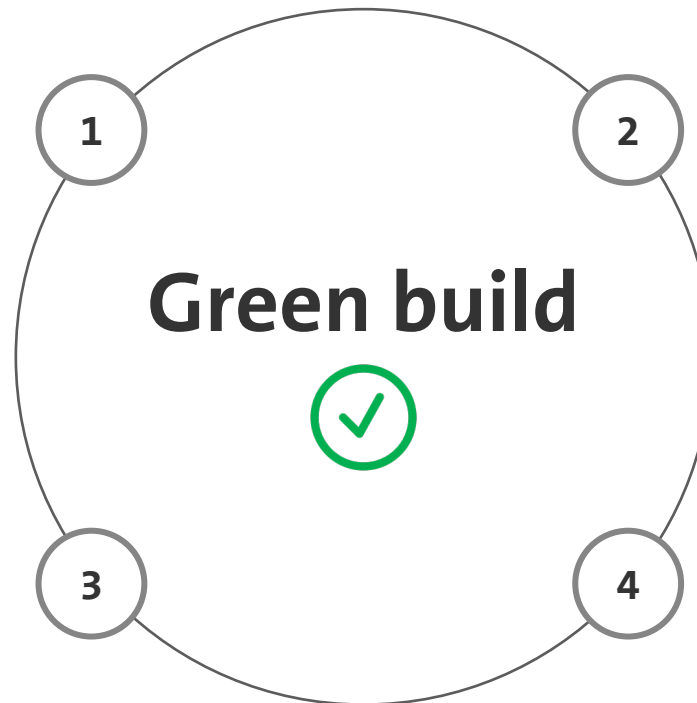
Linting

Sonar

Snyk integrated in Bitbucket

Accessibility

Automated E2E tests that check if the site is accessible





Who?



Everyone



1 reviewer
in my Team



1 reviewer
outside my team



Within 24 hours (SLA)



Max 3 reviewers



Manual assignment



Who? Challenges

Who is the correct person to review my code?

Wikipage with Techleads and their domain.

Default reviewers

Always assigned to the same bunch of people

Have your own rotation list

Ask if the person has time today

Too many people on the PR

Limit users on PR

User other channels to communicate about changes





How? Segmentation of comments

- **Tasks:** Needs to be changed
- **Comment:** Opinion





How? Limitation of text comments

- Amount of comments
- Comment ping pong
- Tone of comments





How? Document design decisions

- Not always start the same discussion over and over again
- Architecture Decision Record
<https://github.com/joelparkerhenderson/architecture-decision-record>





Speed up the process

- Review of your own code
- Anounce your pull-request
- Support with additional information
- Face to face review
- Smaller code changes
- Automation





Questions and answers