

The Polyglot Platform:

How Zalando Manages Language Diversity

Speaker: Bhuvana Vijayan



**Click 'engage'
to rate session.**

Rate **12** sessions to get the
supercool GOTO reward

ABOUT ME



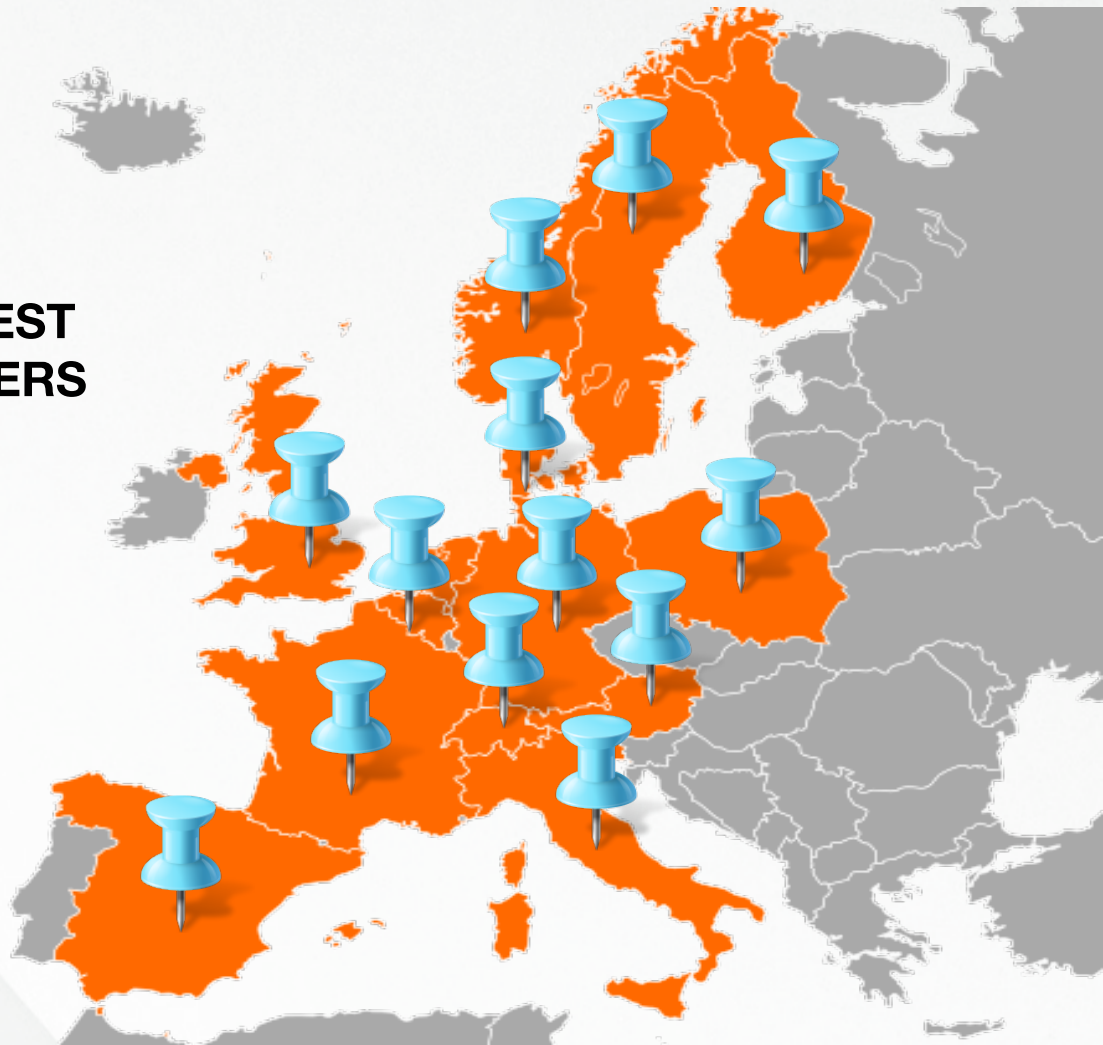
Bhuvana Vijayan

People Lead @ZalandoTech

Twitter: @Bhuvana_Vijayan

bhuvaneswary.vijayan@zalando.de

**ONE OF EUROPE'S LARGEST
ONLINE FASHION RETAILERS**



ONE OF EUROPE'S LARGEST ONLINE FASHION RETAILERS

15 COUNTRIES

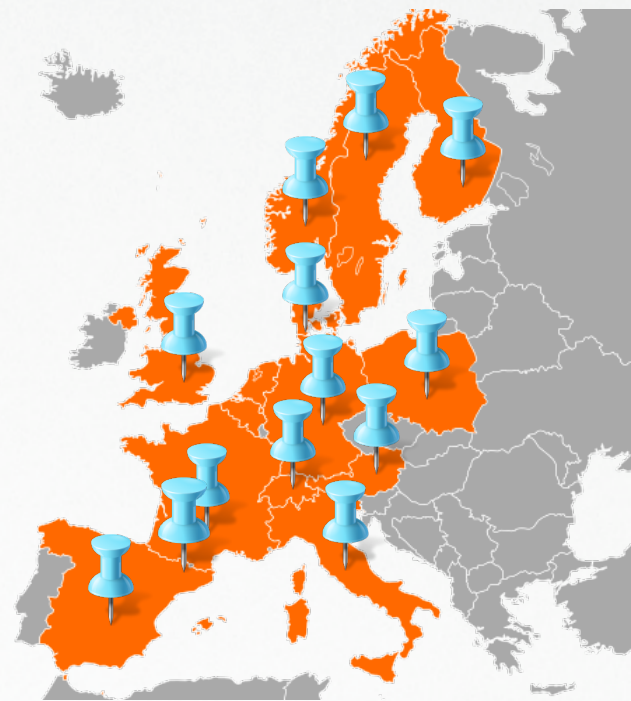
3 FULFILLMENT
CENTERS

16+ MILLION
ACTIVE
CUSTOMERS

2.2+ BILLION €
REVENUE

8000+ EMPLOYEES

130+ MILLION VISITS
PER MONTH



Visit us: tech.zalando.com





WRAPPED UP IN WARMTH

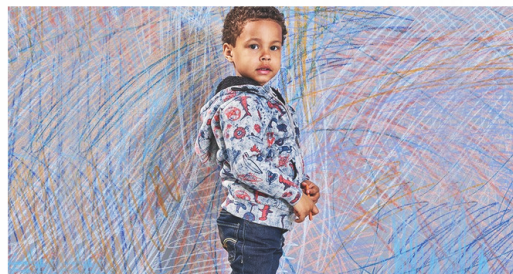
STAY SNUG AS A BUG IN COSY KNITS & JUMPERS

SHOP OSHKOSH & CARTER'S ›

JUMPERS AND KNITWEAR ›



GIRLS ›



BOYS ›

MOST POPULAR



s.Oliver
£80.00



Skechers
£46.00



Skechers
£46.00



STUPS
£34.00



fullstop.
£30.00



STUPS
£46.00



Richter
£46.00



Keen
£76.00



Tom Tailor
£46.00



Molo
£30.00

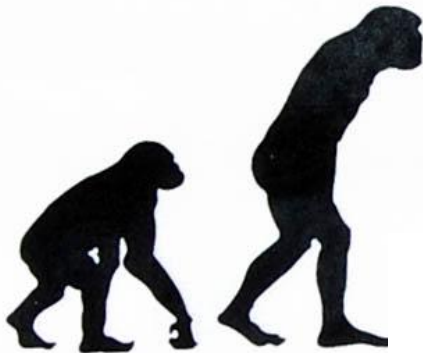


ENVIRONMENT



EVOLUTION

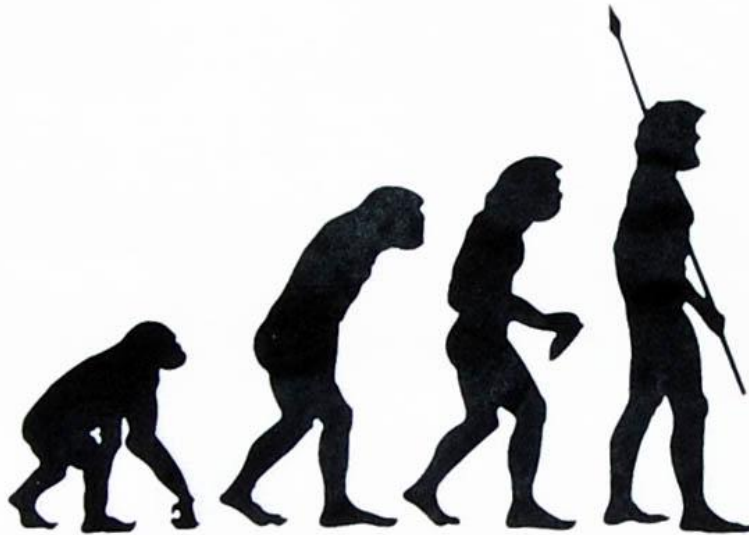
2008



PHP
MySQL

2008

2010

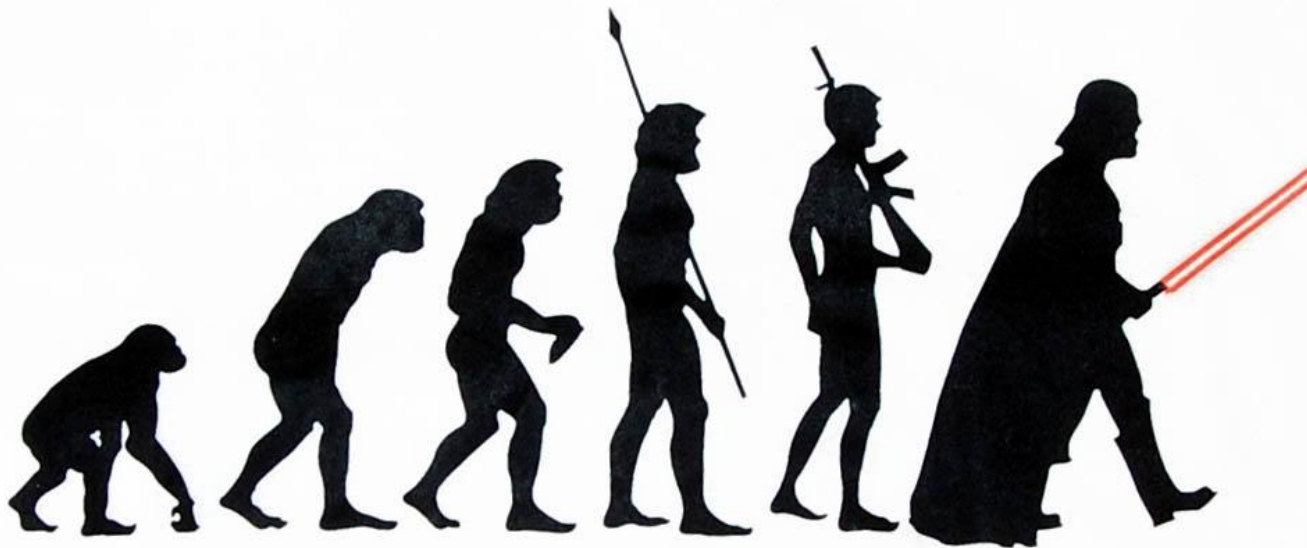


Java
PostgreSQL
Tomcat
Spring
Python

2008

2010

2015



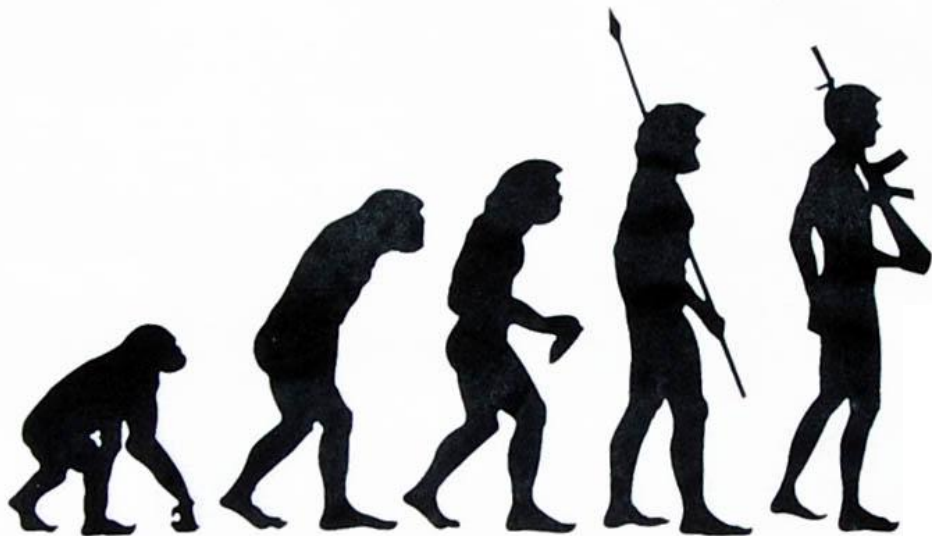
Scala
Clojure
Java
AngularJS
Python

Go
Redis
BigQuery
YAML
...

2008

2010

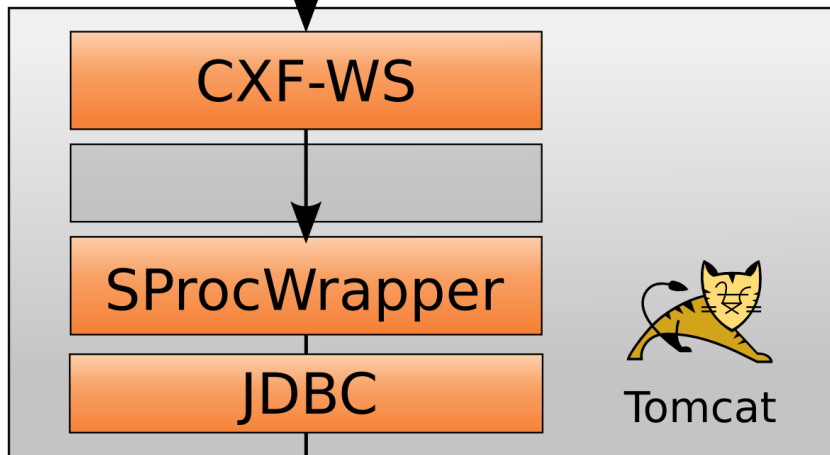
2015



Scala
Clojure
Java
AngularJS
Python

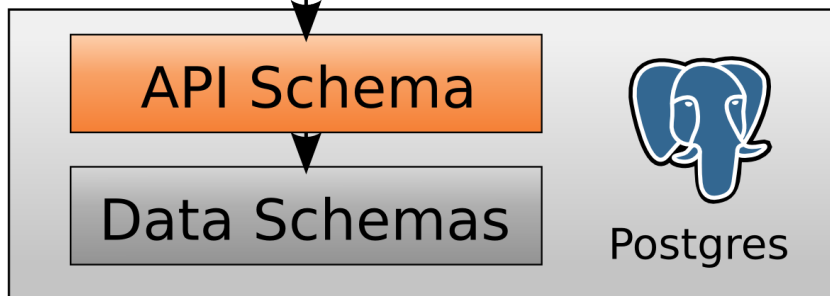
Go
Redis
BigQuery
YAML
...

MAIN PRODUCTION STACK SINCE 2010



~70% of all applications

Single deployment tool



On-premise data center

Until 2014

We're a **Fashion** Company
that has a lot of Tech
Knowledge



In 2015

We're a **Tech** Company
providing “Fashion as a
Service”

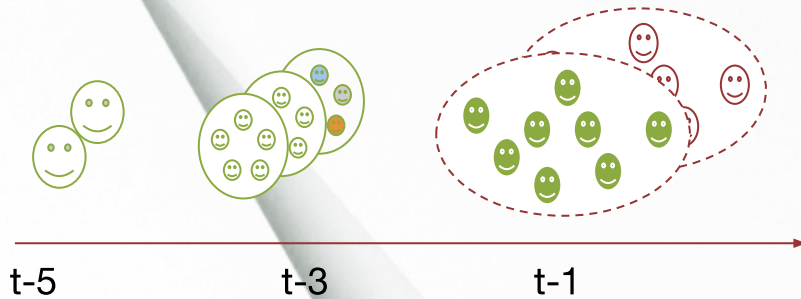


GOAL

DELIVER AMAZING
PRODUCTS
EFFICIENTLY AT
SCALE, AND
FEELING GREAT
ABOUT IT.

CHANGE

FROM ORGANICALLY GROWN
STRUCTURES OVER 6 YEARS...

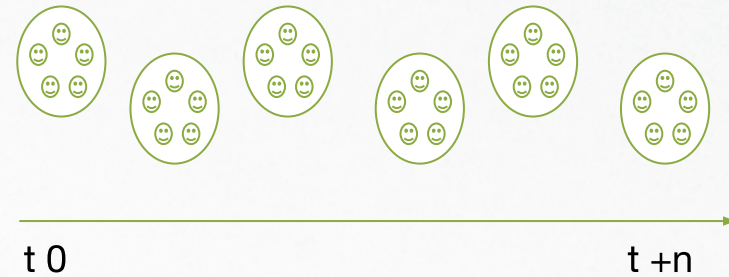


CHANGE

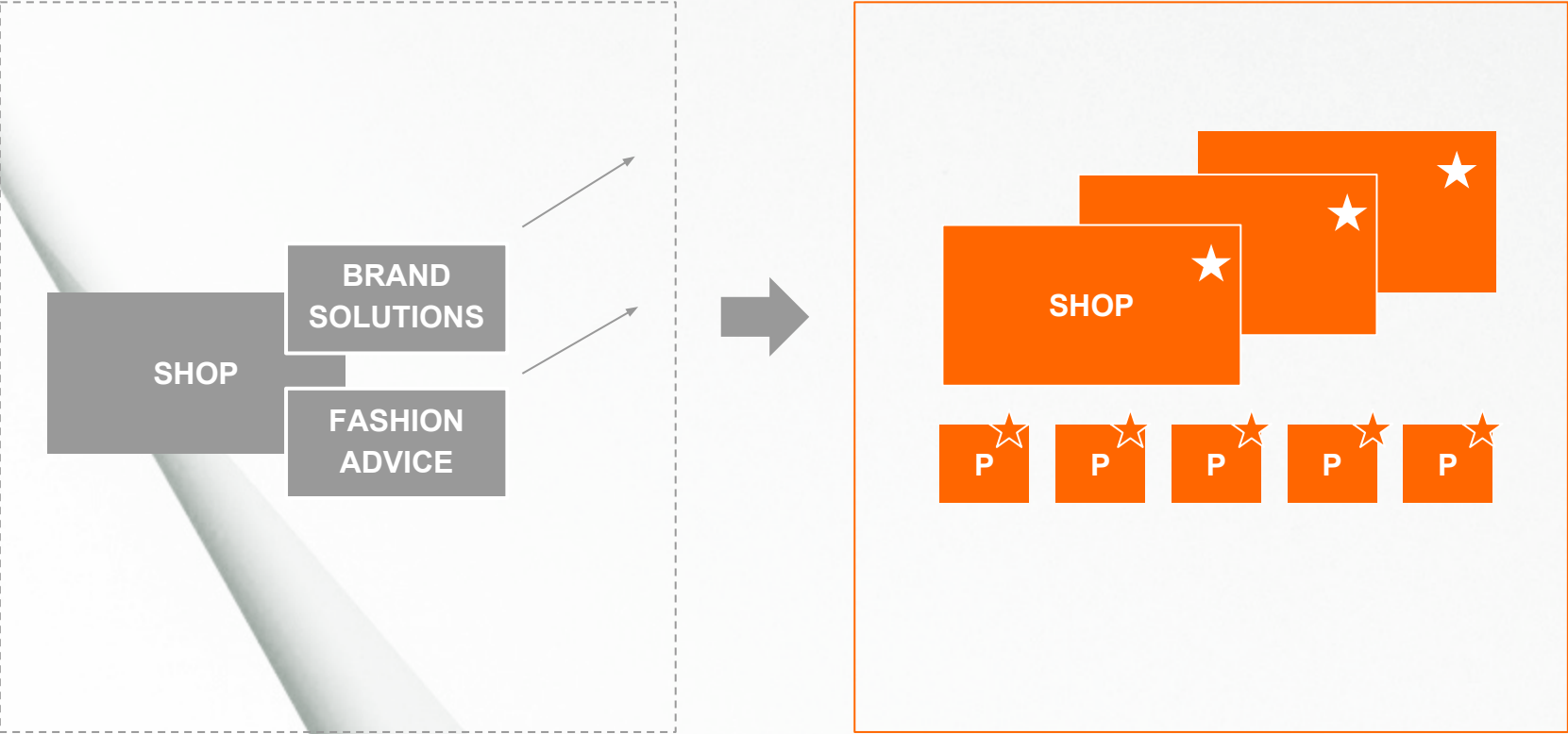
DISRUPT THE
ORGANIZATION



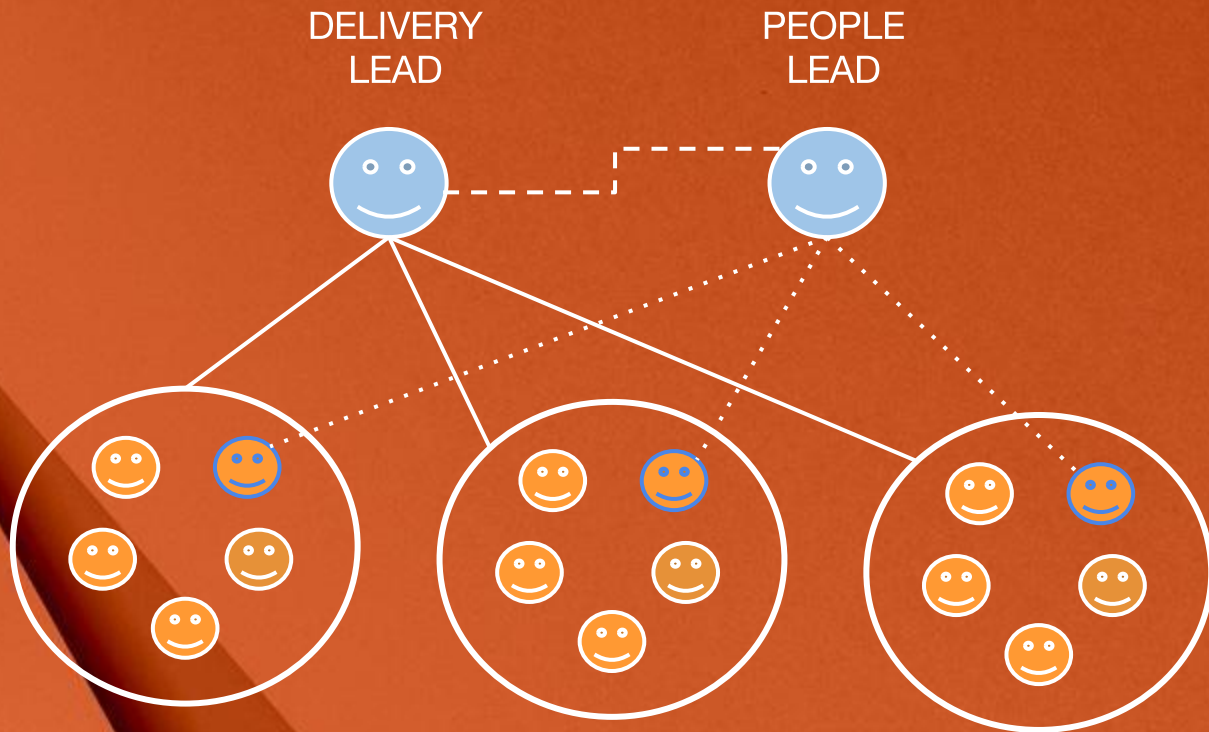
... TO AUTONOMOUS TEAMS



CHANGE



NEW LEADERSHIP



DELIVERY LEADS and PEOPLE LEADS



RADICAL AGILITY

ARCHITECTURE

AN ARCHITECTURE FOR INNOVATION

API FIRST

API FIRST

- Create API in a format like Swagger before implementing it in code
- Comply with API guidelines
- APIs - documented and peer-reviewed

REST

REST

- Scalable architectural style
- Domain-driven design

SAAS

SAAS

- Preparing IAM strategy
- Expose APIs from backend
- Cornerstone of our platform

MICRO SERVICES

MICROSERVICES

- Service-oriented
- Keeps complexity to the macro level
- Allows to move fast

CLOUD

CLOUD

- AWS, but not only that
- Multiple data centers, high availability, scalability

SINCE 2015

Polyglot

Multi-framework

AND TO NAME A FEW...



Google bigquery



Scala
play!



Guice



redis



NGINX



guava-libraries



cassandra



SLF4J
Simple Logging
Facade for Java



SOME EXAMPLES

PLATFORM



IAM



BRAND ANALYTICS



RADICAL AGILITY

3 PRINCIPLES

**PURPOSE
AUTONOMY
MASTERY**

Radical agility



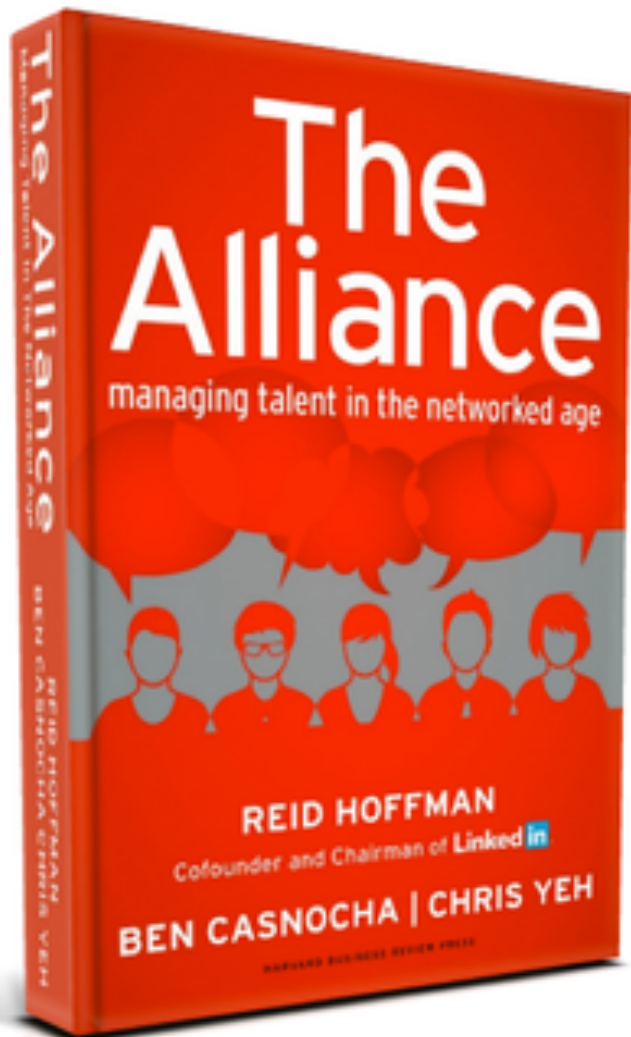
BECOME EUROPE'S MOST AGILE TECH COMPANY THAT DRIVES INNOVATION & BUSINESS GROWTH THROUGH WORLD CLASS TECH PRODUCTS FOR OUR FASHION PLATFORM!



#RADICALAGILITY



MASTERY

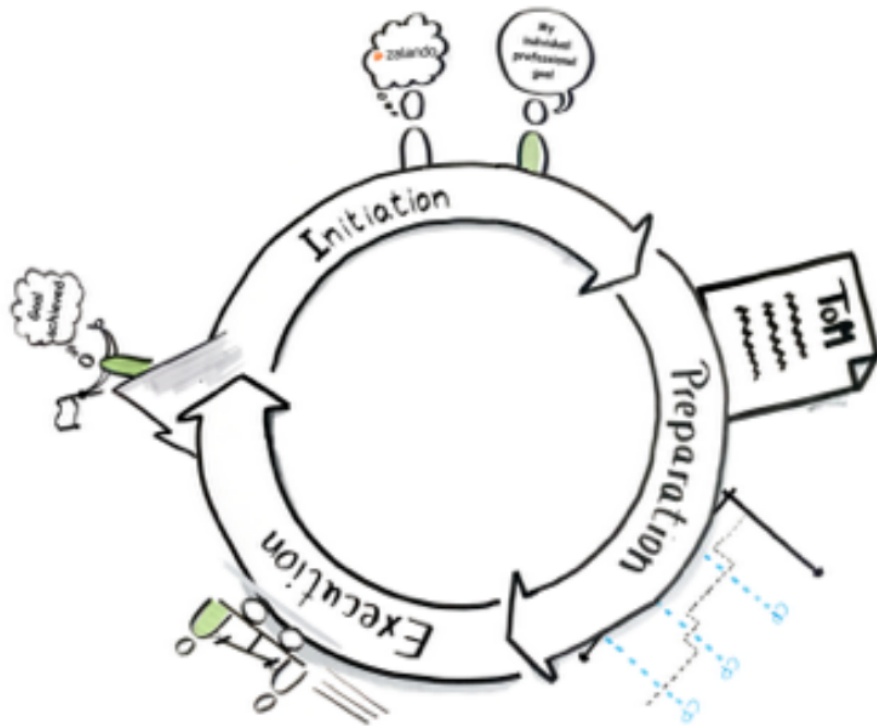


Stop thinking of employees as family or free agents, and **start thinking of them as allies on a tour of duty.**



Tour of Mastery

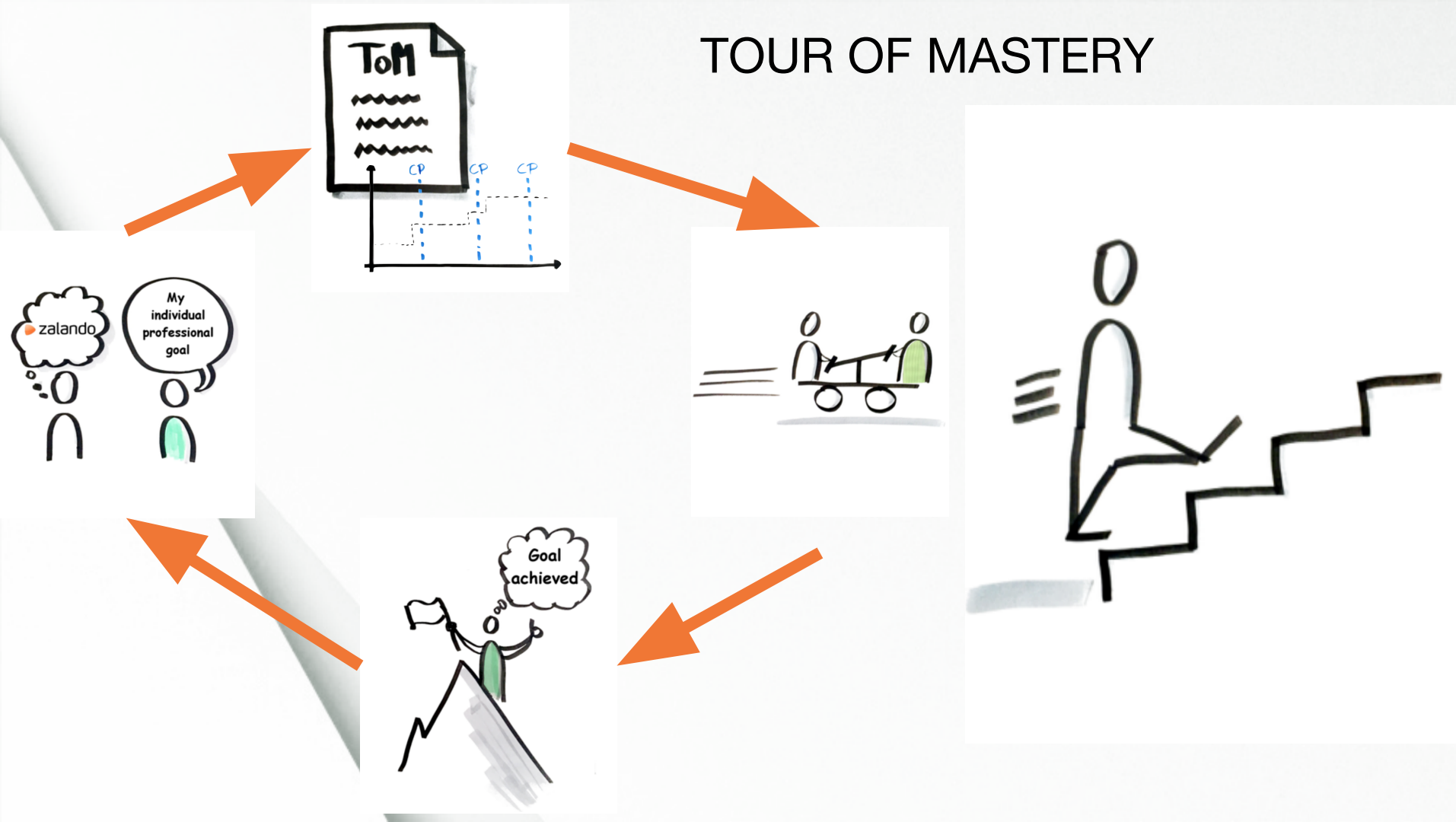
PURPOSE



Tour of Mastery

INITIATION
PREPARATION
EXECUTION

TOUR OF MASTERY





OPEN SOURCE

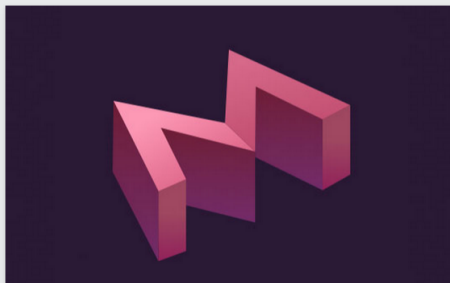
Zalandos are passionate about collaboration and giving back to the community. Check out our open source projects to learn more about the technologies we are contributing to and building.



STUPS

The STUPS platform is a set of tools and components to provide a convenient and audit-compliant

STUPS · AWS



MAPLEBACON

MapleBacon is a Swift image download and caching library.

iOS · Swift



CHECK UNUSED CSS

A gulp package to check if all your defined CSS classes are used in your HTML files and vice versa.

gulp · CSS

[CHECK OUT OUR REPOSITORIES](#)

FINAL THOUGHTS

RADICAL AGILITY

CHECK US OUT!

goto;
conference

LINKS

- Tech Blog: tech.zalando.com
- GitHub: github.com/zalando
-  @ZalandoTech
-  zalandotech

Jobs: <http://tech.zalando.com/jobs>



Please

**Remember to
rate this session**

Thank you!

Thanks !

