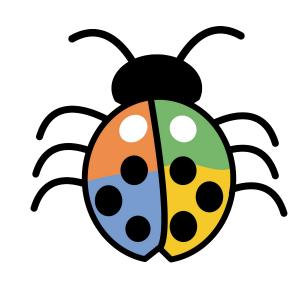
### How to debug your team





### About Me

Lisa van Gelder @lisa van gelder

VP, Engineering @ spring health

### **About Me**













# How do we instill a sense of urgency into the team??





#### Why is our pace of delivery so slow??



### Debugging teams





# inTouch



**heatworld** 











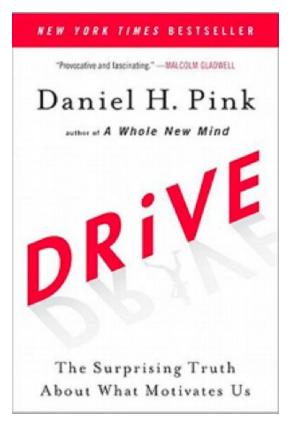
### XCEL MEDIA







- Mastery
- Autonomy
- Purpose
- Safety



# Mastery



# Autonomy



### Purpose



# Safety



### Measuring pace of delivery



### Cycle time





#### NEW YORK TIMES BESTSELLER

"Provocative and fascinating." -- MALCOLM GLADWELL

#### Daniel H. Pink

author at A Whole New Mind

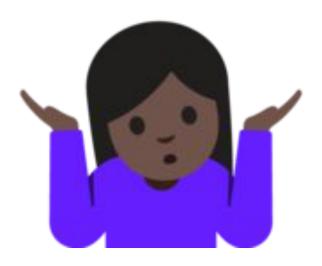


The Surprising Truth About What Motivates Us

# Safety

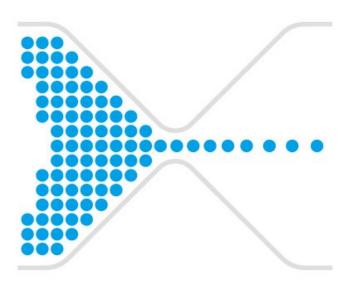


# Purpose



# Mastery pt 1

Don't assign stories



# Mastery pt 2 Skills matrix



# Levelling



### Skills matrix

	Technical Skill	Impact	Agile Knowledge	Communication & Leadership	Mentoring & teaching others	Architecture	Recruiting	Helpful books
Junior developer								
	Learning coding best practices (see guidelines here)	Capable of completing well defined sub-tasks	Learning to estimate stories	Communicates status to team	Learning pairing	Learning MVC		Practical Object-Oriented Design in Ruby by Sandi Metz
	Learning coding standards	Capable of providing on-call support for their team's code with assistance from other team members		Asks for help	Learning to respond to PR comments	Learning REST		Clean Code by Robert C Martin
	Learning source control and development tools			Accepts feedback graciously		Learning at least one web or javascript framework		Art of Agile by James Shore
	Learning Ruby on Rails			Learning how to ask for clarification on unclear tasks		Learning how browsers work: request lifecycle, how events work, blocking vs		Growing Object Oriented Software Guided by Tests by Steve Freeman and

### Change toolkit



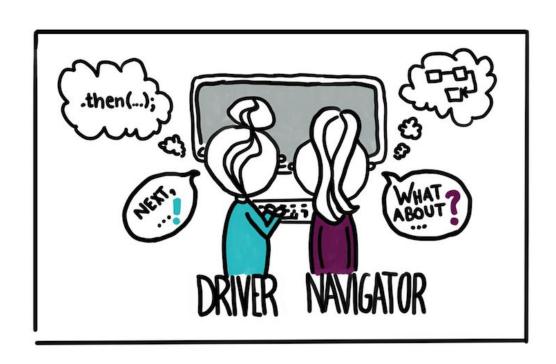
# Gathering data



### Open Questions

- What takes up too much of your time?
- What do you wish you could spend more time doing?
- What keeps you up at night?
- If you had a magic wand and could change anything at your company, what would you change?

### Pair Programming



### Retrospectives







### Running a good retro

- Do people vote on what they want to talk about?
- Do you only talk about the top voted items?
- Does everyone on the team talk?
- Do you have clear action items?
- Do action items have an owner & a date?
- Do you review progress of action items before each retro?

# Implementing change



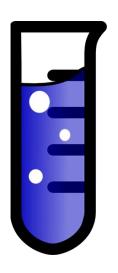
### Nemawashi

Informal process of quietly laying the foundation for some proposed change or project, by talking to the people concerned, gathering support and feedback

# Give engineers power to control change



### Kaizens

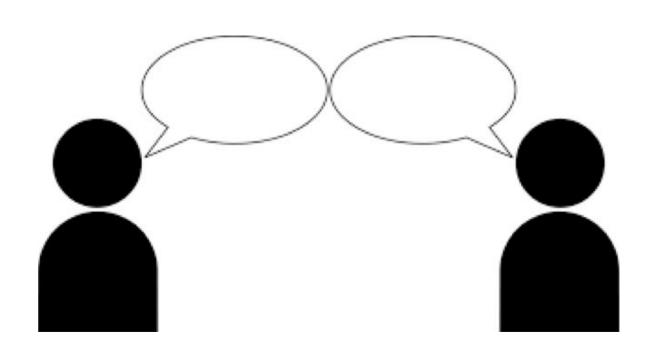


Small experiments that lead to "continual improvement "

Lean manufacturing -

Toyota Way

### Reward hard feedback

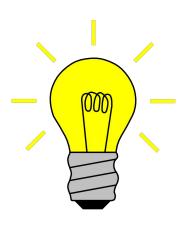


### Admit when I'm wrong



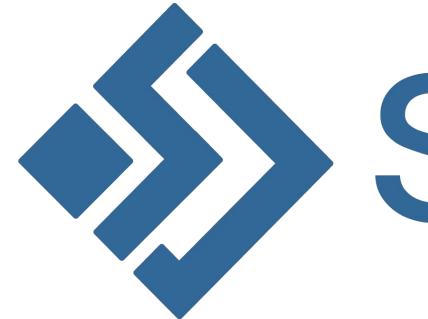
### **End Result**





#### Learnings

You can't have autonomy without mastery



# Stride Stride Consulting

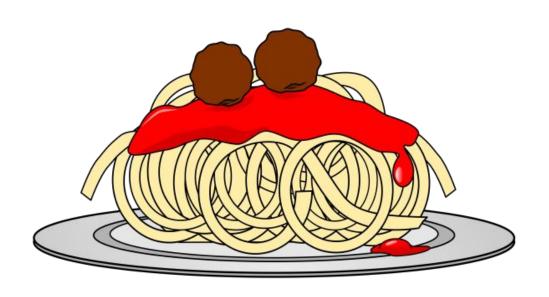
#### Acme corp



#### Autonomy

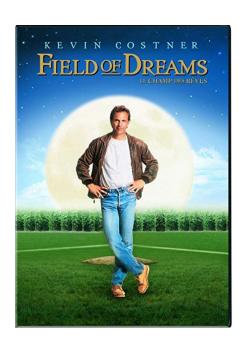


#### Mastery



#### Purpose

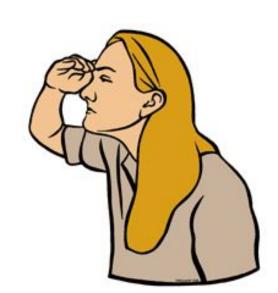
Build it & they will come?



#### Safety



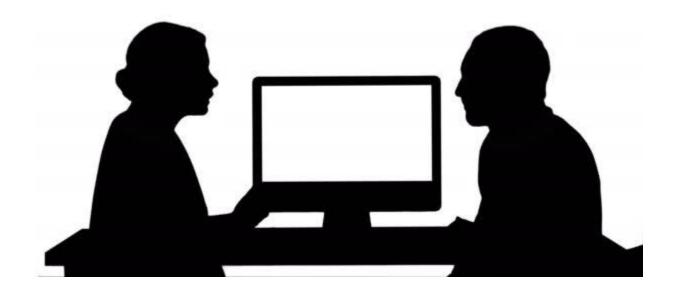
# Find the user - find the purpose



#### Mastery E2E Tests

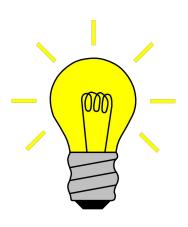


#### Autonomy



#### **End Result**





#### Learnings

You can't have autonomy without purpose

## meetup









#### Safety

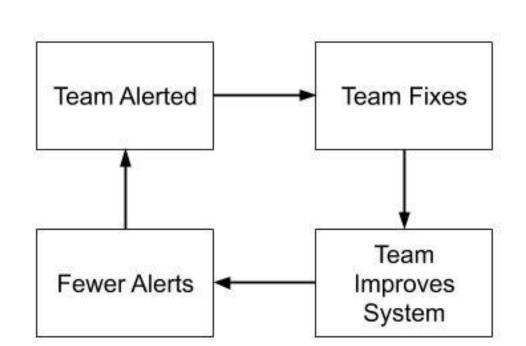


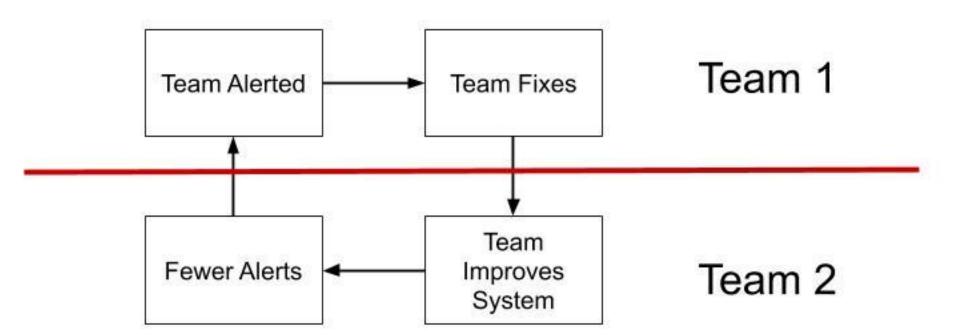
#### Quality



# Autonomy pt 1 Operational ownership

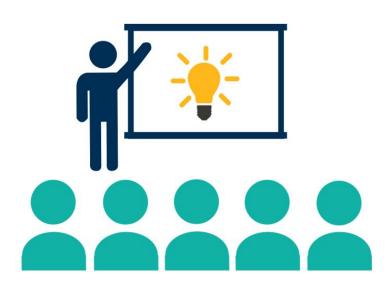






### pagerduty

#### Oncall training



#### Oncall



#### Cycle time



# Autonomy pt 2 No sub tasks



#### **End Result**







#### Learnings

Sometimes you need outside help

## How do we instill a sense of urgency into the team??

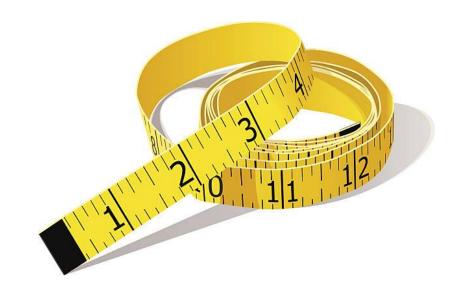




#### What to look out for...



#### You get what you measure....



#### Safety



#### Mastery



#### Autonomy

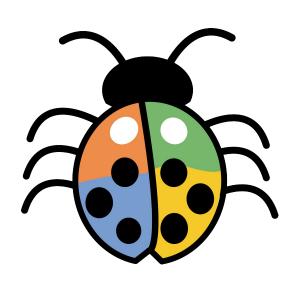




#### Purpose



#### Questions?



@lisa\_van\_gelder

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