

Destructuring the Enterprise

wíth Chris Ford & Gary Crawford

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Scene 1: Meet Chris & Gary

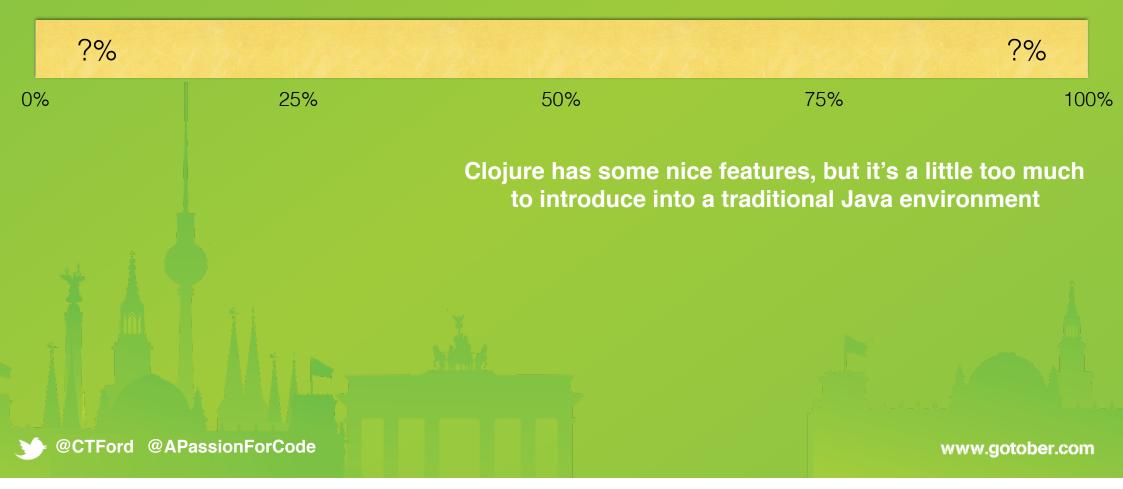
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Clojure's advantages make it worth introducing into a traditional Java environment



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Scene 2: Design

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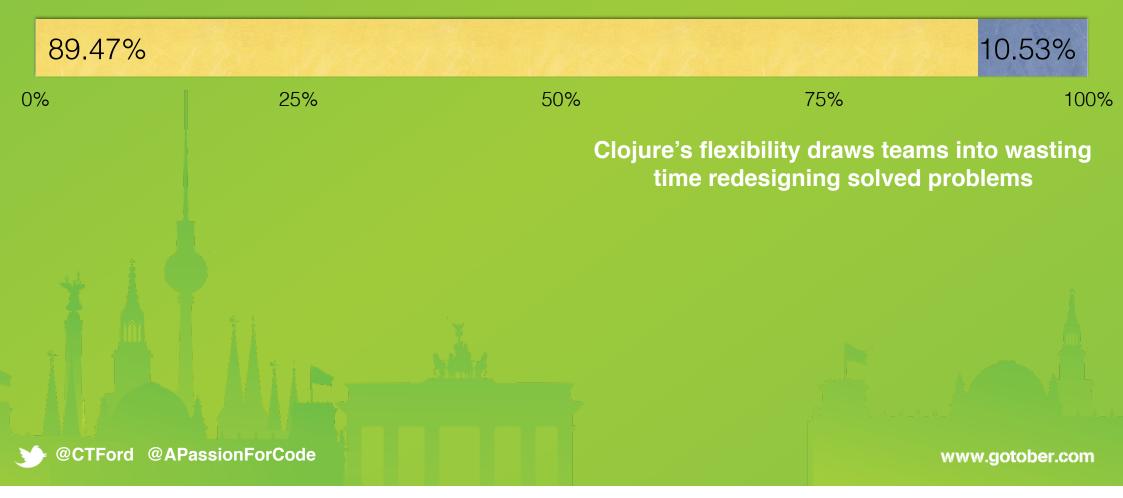


Clojure's flexibility allows teams to design a solution that meets their specific needs

Clojure's flexibility draws teams into wasting time redesigning solved problems

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Clojure's flexibility allows teams to design a solution that meets their specific needs



"Small libraries allow us to design the code around the domain, and not shoehorn the domain around a framework."

"...with a smallish team of skilled practitioners you can produce really high-quality code pretty fast..."

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Scene 3: Hiring

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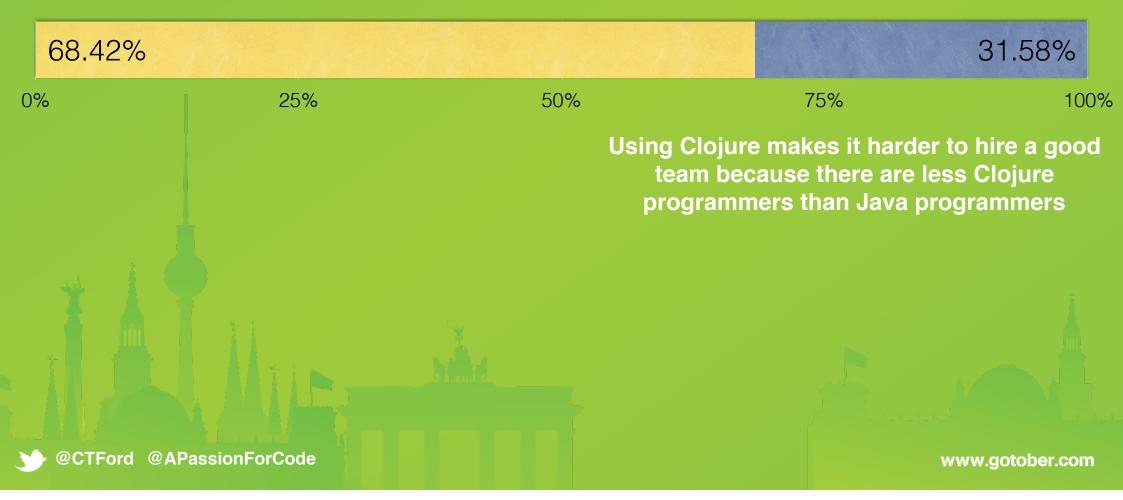


Using Clojure makes it easier to hire a good team because as a language it attracts programmers who are motivated and engaged

> Using Clojure makes it harder to hire a good team because there are less Clojure programmers than Java programmers

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Using Clojure makes it easier to hire a good team because as a language it attracts programmers who are motivated and engaged



"Hiring Clojure developers is not easy, and up-skilling your existing devs to write Clojure is risky."

> "it's harder for SLC to recruit programmers who are motivated and engaged because they're not well known for using a new tech stack"

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Scene 4: Syntax

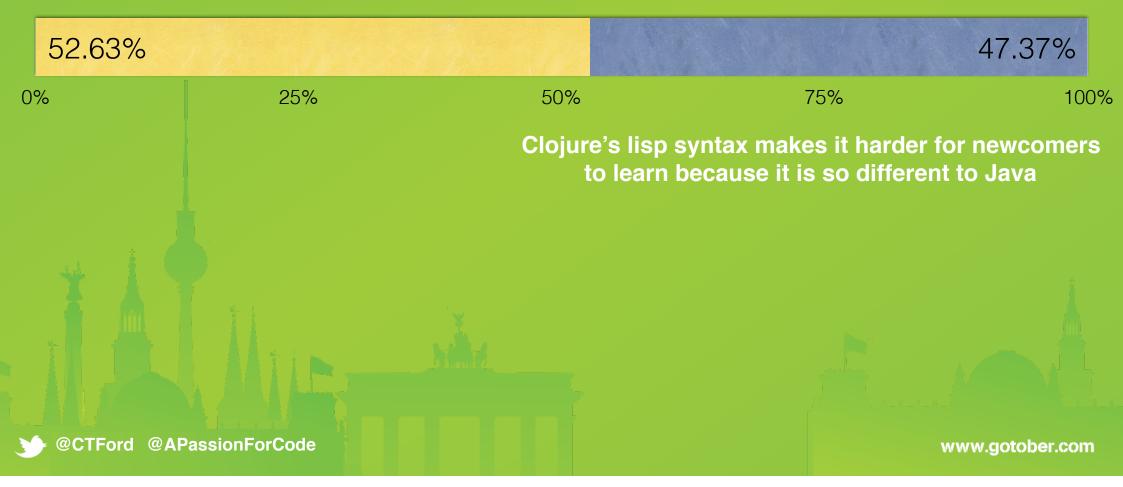
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Clojure's lisp syntax makes it easier for newcomers to learn because it is so consistent



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"...if I consider newcomers to also include those who are new to programming altogether..."

"I don't like LISP syntax, despite its advantages."

"The syntax itself is quick to pick up, quicker than your standard OO language."

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Scene 5: Immutability

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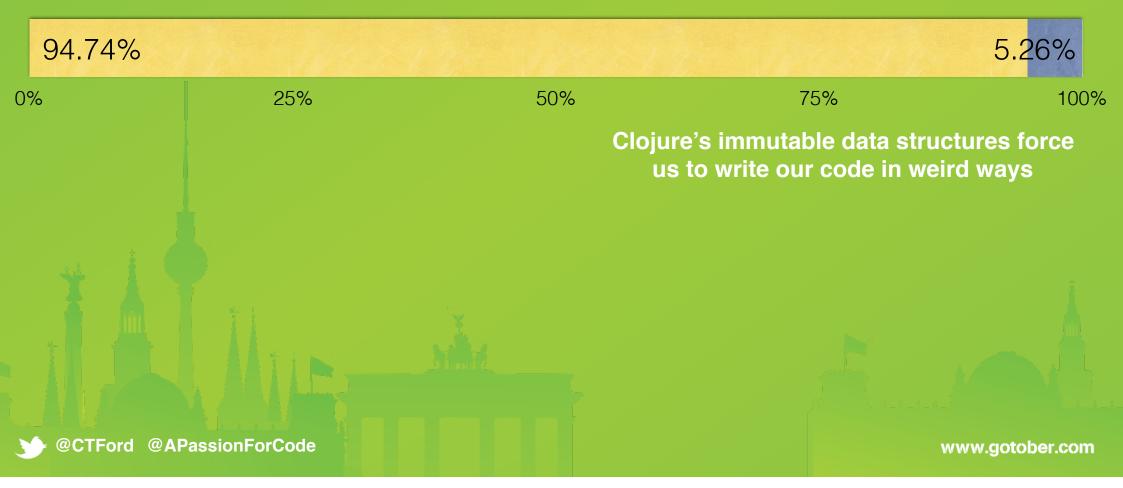


Clojure's immutable data structures reduce the number of bugs

Clojure's immutable data structures force us to write our code in weird ways

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Clojure's immutable data structures reduce the number of bugs



"The hardest thing is to try and get java devs to stop thinking OO and go through the paradigm shift to think functionally"

> "Despite the benefits of immutability you can still produce a large unholy mess in Clojure."

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Scene 6: Interop.

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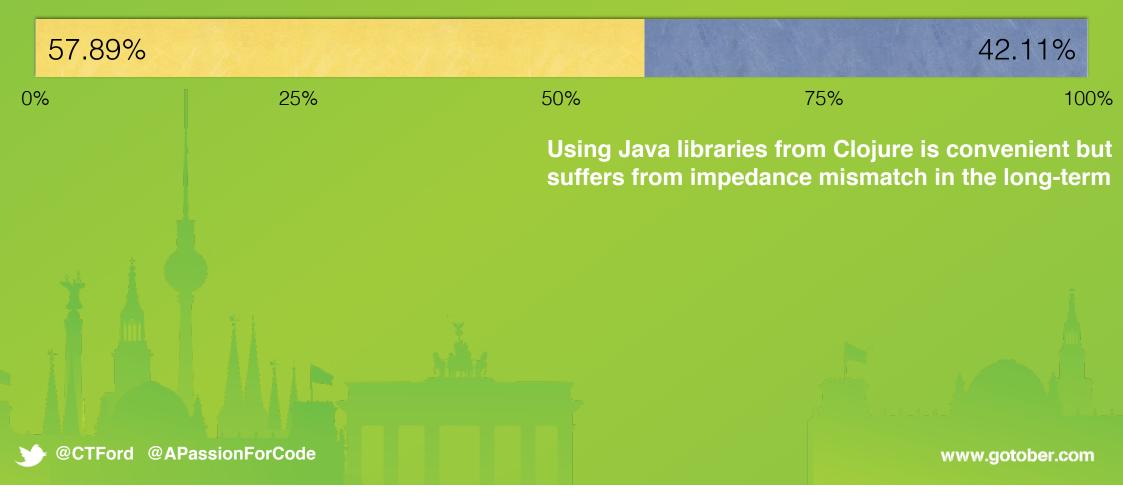


Using Java libraries from Clojure is convenient and saves a lot of time in the long-term

> Using Java libraries from Clojure is convenient but suffers from impedance mismatch in the long-term

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Using Java libraries from Clojure is convenient and saves a lot of time in the long-term





Scene 7: Adoption

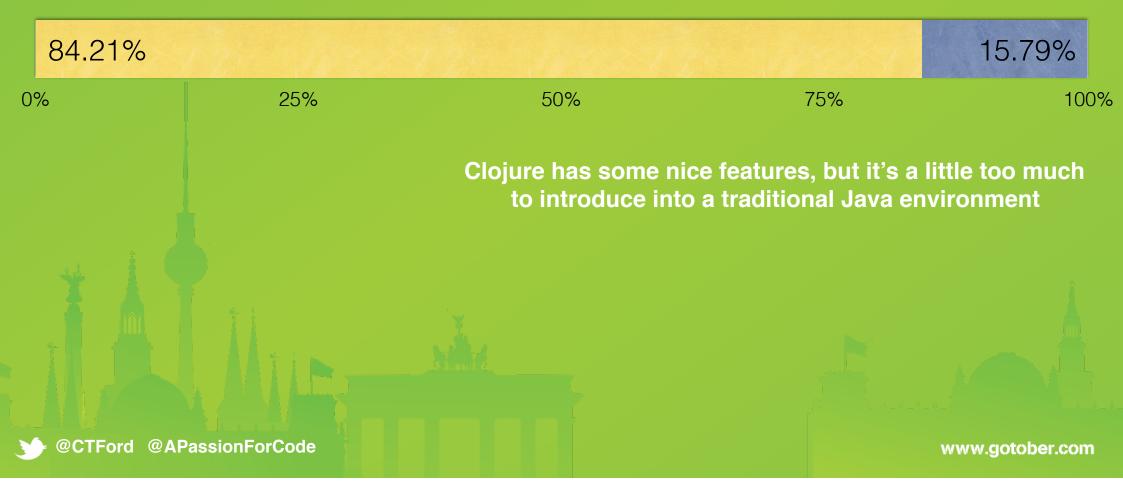
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"... success is dependent on the mindset of the people, the environment and culture they work in ..."



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Conclusions

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