ThoughtWorks®

Emerging Languages

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Emerging languages

Is Java or C# the best language for all tasks?

Obviously not!

Older ones

Ruby, JavaScript, Python

Newer ones

Scala, Clojure

Many others, new and old

A language renaissance

Presentations

10:30 - **Absorbing Scala**

Eishay Smith

11:45 - **Clojure in the Field**

Stuart Halloway

13:45 - **Three Years of real-world Ruby**

Martin Fowler

15:00 - **Groovy on the Trading Desk**

Jonathan Felch

16:30 - **Pragmatic F# in Action**

Amanda Laucher and Josh Graham

This track

Martin at QCon London

No introductions

No evangelizing

What's good?

What's bad?

How do you handle the bad things?

Does languages matter?

Sapir-Whorf hypothesis

    Probably false for natural languages

    Probably true for programming languages

        Is iteration and tail recursion related?

Execution productivity

Developer productivity

Libraries

Specific domains: DSLs, concurrency, etc

Models can be radically different

    Class oriented or prototype based OO?

    OO or multiple dispatch - or pure functions

Why so many languages now?

Most are older than you think

Ruby is older than Java

Cracks in existing approaches

Worry about future problems

Understanding that there will be no one true language

Mature platforms

Java, .NET, LLVM, Parrot

Better tools

Such as Antlr

The lesson?

We are solving larger problems

We are solving harder problems

We are finding problems that need better abstractions

We need to get better at communicating

Languages are important

And getting more important

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