
WILL *Clojure* BRING CLOSURE TO WEB DEVELOPMENT

A PREPRINT

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ABSTRACT

Reading Clojure (or any LISP, that is) is sometimes harder than writing it, especially in a large codebase. This is more obvious when compared to Object-oriented programming. After 2 and half years of constant development, Rich Hickey created the Clojure language. It's an open-source, community-driven language. Meaning that anyone is allowed to fork a JIRA ticket from the Git repo and a select few admins will approve of your merges.

Keywords First keyword · Second keyword · More

1 Introduction

Clojure is a functional programming language based on Java. There's unfortunately a niche pool of devs who want to use clojure. On the bright side, that makes their skills more in-demand. It's more common to choose any of the more-known languages to build very large projects. Clojure excels in data-science when the data and code have to be kept separate and concurrency is important.

1.1 Hello World

;; A typical entry point of a Clojure program:

```
(defn hello-world []  
  (println "Hello World"))  
(hello-world)
```

1.2 "something else"

Anything that you feel shows the unique flavor of the language(1-5 lines of code is enough, depending on the language)
This code shows how to manipulate code as data is passed around.

```
;; generate list by replacing the elements on the list passed original  
(map (fn [form]  
      (case form  
        1 'one  
        + 'plus))  
      (quote (+ 1 1)))  
;; => (plus one one)
```

*Use footnote for providing further information about author (webpage, alternative address)—*not* for acknowledging funding agencies.

2 History

Clojure is newer programming language that had its public First stable release in 1.0 May 4, 2009

2.1 Why was the language designed?

often because someone was unhappy with current languages!?. Clojure is a good language to start a company/project with. The developers back then did a lot of work to scale Clojure. It took some effort to avoid get that dynamic ripple oriented workflow as well as kind of all that large-scale and distributed computing.

2.2 who designed it?

was it designed committee, by a single individual? Clojure community is a very welcoming group. The embrace of diversity and the ease for the newer unexperinced Clojure community that need on-boarding. *Derek Slager*, Clojure's CTO, said "It's nice to be able to hire from a pool of people that have already embraced that culture so that's really powerful. As you can see we have a nice group of people at our company and I think looking ahead, clojure will keep me up at night." Clojures' development team aim to keep pace in anticipation of growth in the community. According to *D. Slager*, more companies are using it. Clojure's sales-force is dedicated to really get it to be a first-class, industry standard. Potentially, an industry-wide adaptation creates ecosystem effects that are good for everyone (developers, companies, users). E.g. Specific tools. Tools continue development and continue growth so for a business perspective. Tools are something as simple as po

2.3 what is its current status ?

is it alive, dead, or barely moving? It is alive and thriving but at a slow rate. Functional languages are slow to adapt. People who are using Clojure in production code, are solving incredibly complicated problems at incomprehensibly large scale.