

BIOGRAPHY OF HIROYUKI MATSUMOTO - AN INFLUENTIAL SOFTWARE ENGINEER



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Abstract

Although there are enormous programmers in the world, a small part of them is only able to create an excellent programming language; they must have not only predominant programming skills, but also a user-friendly design skills. Yukihiro Matsumoto is one of them; he is a Japanese computer engineer and software programmer known as the chief creator of the Ruby programming language and its reference implementation, Matz's Ruby Interpreter (MRI). Ruby is always graded among the top 10 on most of the indices that determine the popularity and growth of programming languages in the world (such as the TIOBE index). Much of the change is attributed to the popularity of software written in Ruby, in particular web framework, Ruby on Rails.

Education

Matsumoto graduated in Computer Science from the University of Tsukuba in 1990 and went to study for a doctoral course at Shimane University.

Carrer

He has a principle of not working in a big city such as Tokyo, because of his background; he grew up in a rural area, and did not prefer a busy place, and he is eager to be a suitable workspace. Therefore, he found a job in the countryside, and indeed he started his career in Hamamatsu as a developer of OA software within companies. At that time, the late 20th century, it was the era of the collapse of the Japanese bubble economy, the company's business was suddenly much less; although he was in the company, he was off the fast lane. In other words, however, there was plenty of time to create a computer language, and this was the beginning of developing Ruby. While developing Ruby, he thought Ruby would be "one of unknown programming languages" since there were a bunch of programming language produced by individuals and it was considerably difficult to be loved by many programmers. As Ruby on Rails began to spread worldwide as a web creation platform from 2004, the recognition of Ruby simultaneously soared. He continue to develop and update Ruby with programmers who look up him.

Ruby

The most different part from other programming language is that Ruby is an object-oriented language and everything is an object; this makes it easier to handle and grasp object-oriented programming since principles applying to objects apply to every part of Ruby. Also, Ruby on Rails is one of the most popular web development

frameworks, which has had a significant effect on Ruby's popularity. Programmers using Ruby can structure their code and simplify repetitive tasks; this enables them to build web applications much faster. Although most programmers using Ruby use Rails, Ruby is still a powerful general-purpose programming language by itself and can be utilised for far more than just web development. Prototypes can be written and tested promptly, speeding up the development cycle and helping agile development. Ruby has been used to support creating many well-known websites, including the original Twitter, eCommerce solution such as Shopify, and GitHub.

Matsumoto's books

He wrote a guide of his Ruby, *The Ruby Programming language*. The book begins from a quick-start tutorial to the language, and describes the language in detail from the bottom up: lexical and syntactic structures, datatypes for expressions and methods such as blocks, lambdas, closures, classes and modules. The guidebook also includes a scrupulous introduction to the rich API of the Ruby platform, demonstrating with heavily commented sample code; Ruby's facilities for text processing, numeric manipulation, collections, input/output, networking and concurrency; an entire chapter is devoted to Ruby's meta-programming performances. The Ruby Programming Language notes the Ruby language convincingly but without the formality of a language specification. It is published for mainly veteran programmers who are new to Ruby, and for current Ruby programmers who are eager to challenge their comprehension and enhance their mastery of the language.

Reference

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