CODING DOJO

Coding Dojo Blog

Coding Bootcamp News, Career Guidance and More

HOME

Coding Tips & Resources

Career Advice

Bootcamp Insights

Dojo News

Search...

7 New Programming Languages To Learn in 2016

📅 January 1, 2016   👤 Coding Dojo   💬 9 Comments

Share

Guest post on clean code techniques by Mark Trego of *Stone River eLearning.*

Programmers have always known that new programming languages need to be learned to keep their skills marketable in the workplace. That trend is not only continuing – it seems to be increasing due to the rate of change taking place in the technology sector.

👑   Join our newsletter today for free.   Enter your email address   Subscribe Now   ✕

Programming languages like C, C++, Java, HTML, Python, or PHP have always had answers to the demands of the market. However, progression in the innovation sector requires people to gain even more skills and knowledge to bring ideas to life.

Even though programming languages like Java, HTML, Objective C, remain the backbone of any development in IT, there have been some new and interesting programming languages that have gained impressive reviews and high ratings among the tech gurus across the world. So, we decided to assemble a list of the new programming languages to learn and keep watch of in 2016.

1. Google Go

Google's Go Programming Language was created in 2009 by three Google employees, Robert Griesemer, Rob Pike, and Ken Thompson. The language's success can be seen clearly by the fact that BBC, SoundCloud, Facebook and UK Government's official website are some of the notable users of Go. It is faster, easier to learn and does the same job that C++ or Java has been doing for us. As the creators said, "Go is an attempt to combine the ease of programming of an interpreted, dynamically typed language with the efficiency and safety of a statically typed, compiled language.

2. iOS Swift

When a programming language is launched at the Apple's WWDC, you can be sure that it has something that can deliver success and results. Swift was released in the Apple's WWDC in 2014 and its exponential growth in just one year shows how capable and promising this language is. According to Apple, Swift brings the best of Python and Ruby together and adds modern programming fundamentals, to make it more effective and fun. If you've been using or were planning on learning Objective C to develop iOS apps, don't bother learning it. Swift is the language you need to know moving forward. There will soon come a day when Objective C is used by nobody to develop apps.

For more info, check-out our beginner's guide to iOS Swift!

3. Hack

Just like Swift, Hack is another programming language which has recently been launched and is a product of another tech giant, Facebook. In the past one year, Facebook has transformed almost their entire PHP codebase to Hack, and if a website with millions of users and unparalleled traffic can rely on Hack, then the programming language must surely be here to stay.

4. Rust

The Rust Programming Language was launched in 2014 by Mozilla. It did not receive the immediate success that Hack and Go did, but in the last 6 months the number of Rust users in the world has escalated and it is expected to climb much higher. An upgrade to C and C++, Rust is becoming more beloved by programmers every day.

5. Julia

Delivering Hadoop style parallelism, Julia's stock in the tech industry is rising. The Julia Language is highlighted as one that is destined to make a major impact in the future. Described as a high level, high performance, dynamic programming language for technical computing, Julia is making a niche of its own in the world of programming languages.

6. Scala

The Scala Programming Language has been on the market for a little longer than most of the other languages in this list and was probably a little slow to get off the blocks as compared to the other langua**7 New Programming Languages To Learn in 2016**

ges. However; this functional and highly scalable programming languages has gradually attracted attention and companies such as Twitter, LinkedIn and Intel are using the language in their system now.

Given that Google Go has garnered such unprecedented success, the other language from Google – Google Dart – has been in its shadows for the past 7-8 months. However, now that app development is gaining pace, people are realising how useful Dart can be in implementing high performance architecture and performing modern app development. Unveiled as a substitute for JavaScript for browser apps, Dart is finally realizing its true potential and is expected to continue its rise in the coming years.

What other languages are worth keeping an eye out for in the year ahead? Drop a line in the comments section!

G+

Looking for a Career in Web Development?

Read our quick-start guide to becoming a Developer

Includes exclusive insight from a seasoned Web Developer
Uncovers the top career misconceptions holding you back
Highlights the must-have qualities all employers require
89,615 downloads to date

> Your email

GET MY GUIDE

All Posts, Coding Tips & Resources

9 thoughts on "7 New Programming Languages To Learn in 2016"

Eljay says:
May 28, 2017 at 5:32 am

Dawg, I don't think C/C++ and Java count as new programming languages. They've been around quite a long time.

Dawg says:
October 25, 2016 at 4:39 am

1 to 3 should be at the bottom of the chumbucket list not top real languages. I would class C/C++ as top contenders even the much hated Java is far up the scale.

Rust is a good future experiment, Julia is for scientific computing, Scala gives you green hair if C++ gives you whites, Dart is a joke.....

michelle rodriguez says:
October 7, 2016 at 9:09 am

those seven languages are the same one pop nop

vyshnavi sagar says:

which programming language should i learn to get a good job towards software

---

a says:
June 21, 2016 at 1:42 pm

@Vivek, do not lern any language more...
If you want to be a programmer, you should focus on one which you prefer, and lern it with all extras which are connected with some part. For example for Java web developer, it will give you a great job opportunities if you will lern: JavaEE (it is basic to other frameworks), some database with sql it could be MySql, some framework to connect with DB- JPQL or Hibernate, learn Maven, lern Git, if you are crazy then you can learn also flyway, design patterns, algorithms and so on... As you can see- in whole technologies stack, java language is only a point of beginning. I expect that the same is with c#. More than one language will not give you better job opportunities, because in your job you will not use more than one.
But remember that IT is not only programming. You can work also as tester, specificator, it-hotline, administrator of databases, of systems, of application servers, you can also make career in a it-management way which is also incrideably hudge...
I hope it will give you and other some first-hand information- how IT looks in every day. Because for many people their career in IT is only a fortune..

Nathan says:
May 10, 2016 at 11:08 pm

Perl 6 has powerful capabilities with concurrency and parallelism baked into the language. It deserves a mention on your list for 2016 – especially since it was released last December.

---

will says:
May 10, 2016 at 4:09 pm

Rust 1.0 was launched in May 2015, one year ago, so a bit closer to immediate success then.

Vivek sharma says:
May 4, 2016 at 12:11 am

Which language should i learn after java and c# .... to get a good job in future

---

siva says:
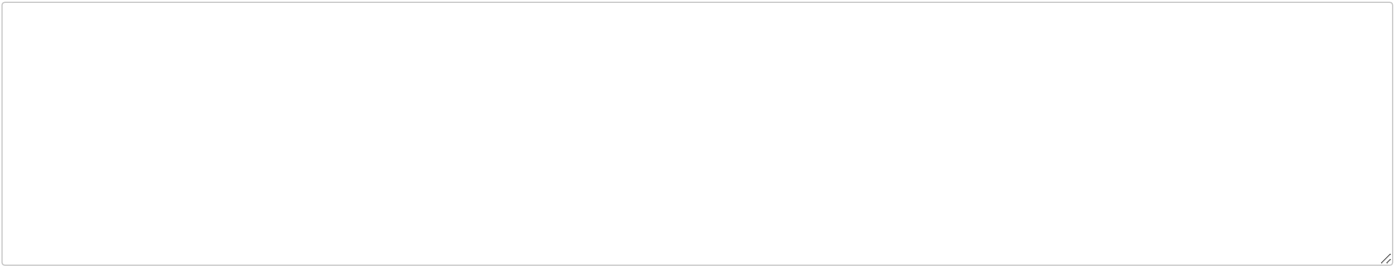April 30, 2016 at 5:59 am

good information.

Leave a Reply

Your email address will not be published. Required fields are marked *

Name *

Email *

Website

Post Comment

Coding Dojo

Coding Dojo January 1, 2016

SHARE POST

Share

You may also like...

Coding Bootcamps vs CS Degrees - 5 Main Differences

Web developer bootcamps have become a major part of the tech industry. Every big tech hub has at least a handful of them, and some have dozens, like San Francisco....

Read More

5 Tips to Ace Your Technical Interview

The prospect of a new job is exciting, but it's no secret that job interviews are scary. And while the traditional job interview is daunting, technical interviews are even more...

Read More

Why to Choose Chicago for Your Coding Bootcamp Education

It's no secret that the Chicago market is overflowing with a plethora of bootcamp options to choose from. That's why I thought I'd write a quick little post about what...

Read More

NEED A CAREER CHANGE?

Sign-up for a Coding Dojo course! We transform beginners into Software Developers in only 14-weeks.

APPLY TODAY

LEARN MORE

ABOUT

BLOG

CAREERS

EMPLOYERS

CONTACT US

PRESS

FAQ

LOCATIONS

SEATTLE	DALLAS	ORANGE COUNTY	SILICON VALLEY
10777 Main St #300, Bellevue, WA 98004	900 Jackson St #410, Dallas, TX 75202	3333 Susan St, Costa Mesa, CA 92626	1920 Zanker Rd, San Jose, CA 95112
CHICAGO	BERKELEY	LOS ANGELES	WASHINGTON DC
213 W Institute Pl #610, Chicago, IL 60610	6001 Shellmound St #200, Emeryville, CA 94608	175 E Olive Ave 3rd Fl, Burbank, CA 91502	1775 Greensboro Station Pl #210 McLean, VA 22102

SIGN UP FOR OUR NEWSLETTER

Sign-up to get the most recent tech news, tips, and career advice!

Your email

SIGN-UP

9 thoughts on "7 New Programming Languages To Learn in 2016"

Eljay says:
May 28, 2017 at 5:32 am

Dawg, I don't think C/C++ and Java count as new programming languages. They've been around quite a long time.

Dawg says:
October 25, 2016 at 4:39 am

1 to 3 should be at the bottom of the chumbucket list not top real languages. I would class C/C++ as top contenders even the much hated Java is far up the scale.

Rust is a good future experiment, Julia is for scientific computing, Scala gives you green hair if C++ gives you whites, Dart is a joke.....

michelle rodriguez says:
October 7, 2016 at 9:09 am

those seven languages are the same one pop nop

vyshnavi sagar says:
September 9, 2016 at 3:23 am

which programming language should i learn to get a good job towards software

a says:
June 21, 2016 at 1:42 pm

@Vivek, do not lern any language more...
If you want to be a programmer, you should focus on one which you prefer, and lern it with all extras which are connected with some part. For example for Java web developer, it will give you a great job opportunities if you will lern: JavaEE (it is basic to other frameworks), some database with sql it could be MySql, some framework to connect with DB- JPQL or Hibernate, learn Maven, lern Git, if you are crazy then you can learn also flyway, design patterns, algorithms and so on... As you can see- in whole technologies stack, java language is only a point of beginning. I expect that the same is with c#. More than one language will not give you better job opportunities, because in your job you will not use more than one.
But remember that IT is not only programming. You can work also as tester, specificator, it-hotline, administrator of databases, of systems, of application servers, you can also make career in a it-management way which is also incrideably hudge...
I hope it will give you and other some first-hand information- how IT looks in every day. Because for many people their career in IT is only a fortune..

Nathan says:
May 10, 2016 at 11:08 pm

Perl 6 has powerful capabilities with concurrency and parallelism baked into the language. It deserves a mention on your list for 2016 – especially since it was released last December.

will says:
May 10, 2016 at 4:09 pm

Rust 1.0 was launched in May 2015, one year ago, so a bit closer to immediate success then.

Vivek sharma says:
May 4, 2016 at 12:11 am

Which language should i learn after java and c# .... to get a good job in future

siva says:
April 30, 2016 at 5:59 am

good information.

Leave a Reply

Your email address will not be published. Required fields are marked *

Name *

[   ]

Email *

Website

Comment

Post Comment