# آشنایی با مشاغل دنیای

# برنامه‌نویسی، میـــــزان استـــــخدام

# و درآمـــــد آنـــــها

گروه برنامه‌نویسی شتاب – اردیبهشت 98

# برنامه امـــــروز ما

**معرفی مشاغل (زبان ها) و اطلاعات آماری از برنامه‌نویس ها**

# تفاوت‌های استخدام و توجه به مشاغل مختلف در دنیا

- توجه‌های متفاوت به یک شغل
- اگر قصد مهاجرت داریم

# منبع آمار ما

**Stackoverflow.com**

# نکات کلیدی این آمار

- رشد فوق‌العاده پایتون
- میانگین سنی شروع به کدنویسی: 16 سالگی
- متخصصین DevOps و SRE (مهندسی ضریب اطمینان):

پردرآمدترین، باتجربه‌ترین، راضی‌ترین

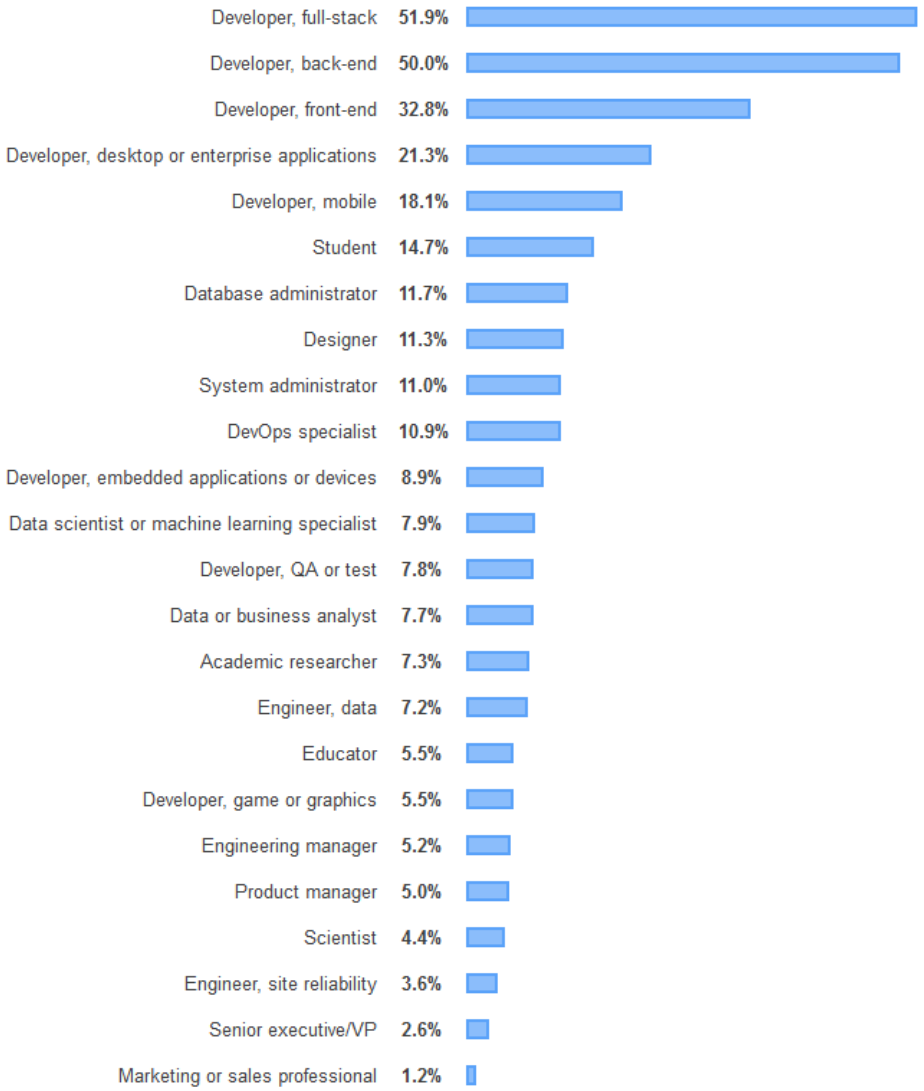
- چینی‌ها امیدوارترین، اروپای غربی کم‌امیدترین

# همه چیز از نگاه آمار

# تصمیم‌گیری با شما !

## Developer Type

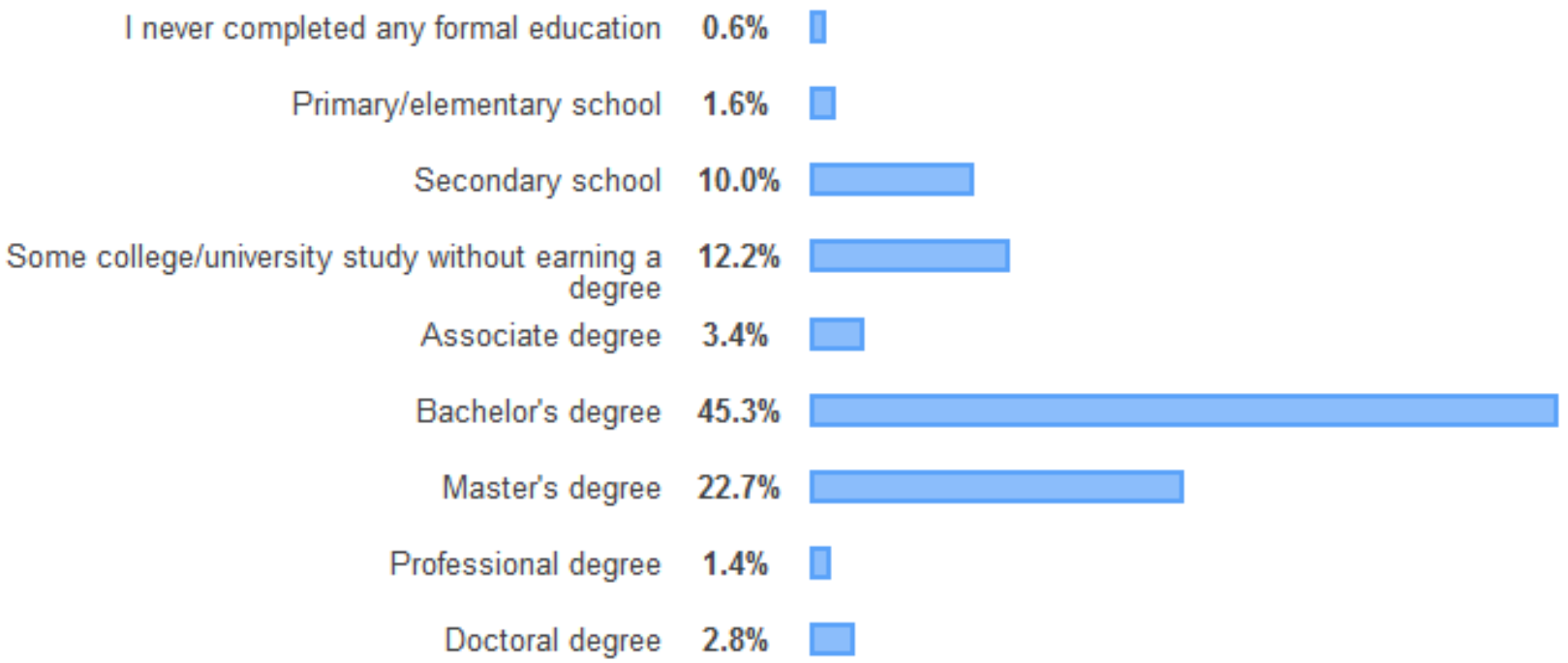
All Respondents | United States Unweighted | United States Weighted by Gender



- 40% شرکت‌کننده ها کمتر از 5 سال تجربه برنامه‌نویسی دارن.
- بیشترین تجربه برنامه‌نویسی برای کسایی که با زبان‌های VBA و F# و Closure کار میکنن
- کمترین میزان تجربه کار حرفه‌ای برای کسایی که Python، PHP و Kotlin کار میکنن

# Educational Attainment

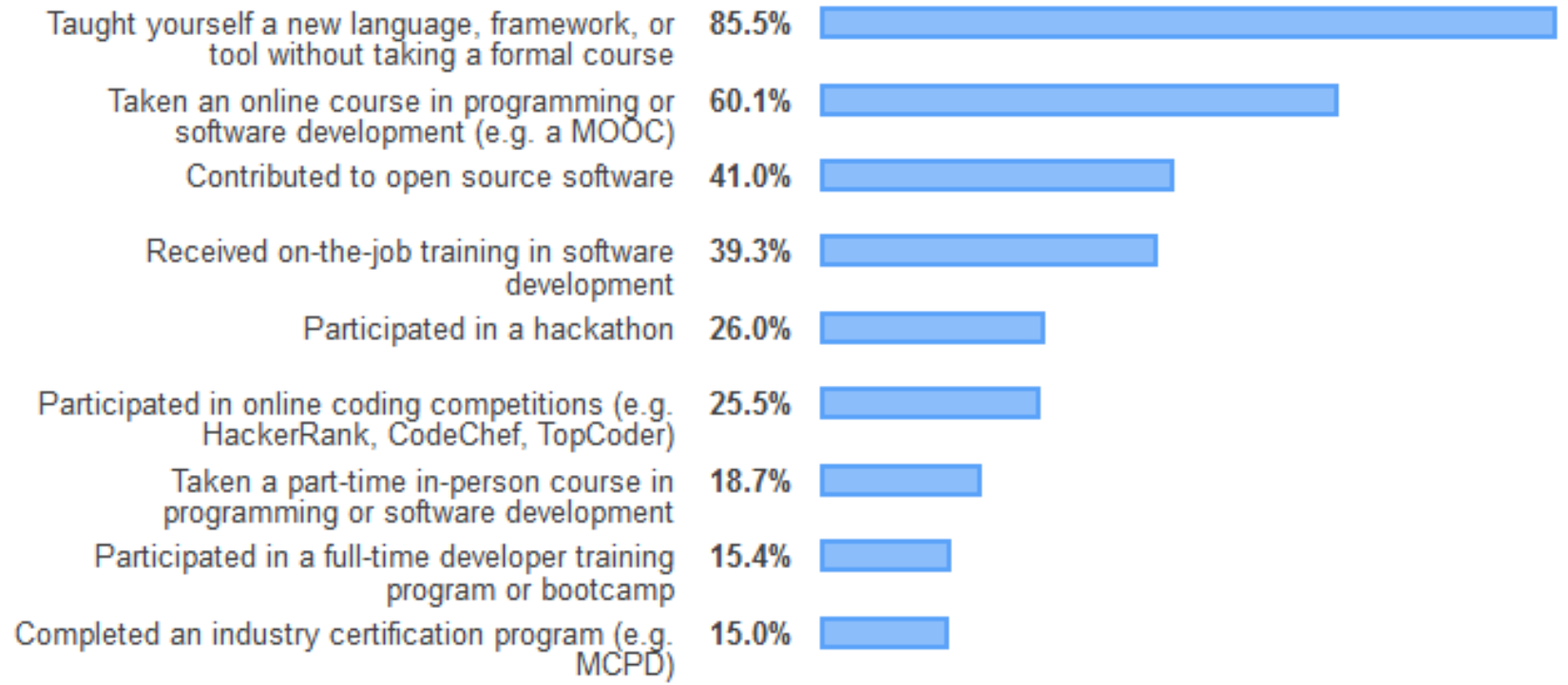
All Respondents | Professional Developers




*86,390 responses*

## Other Types of Education

All Respondents | Professional Developers

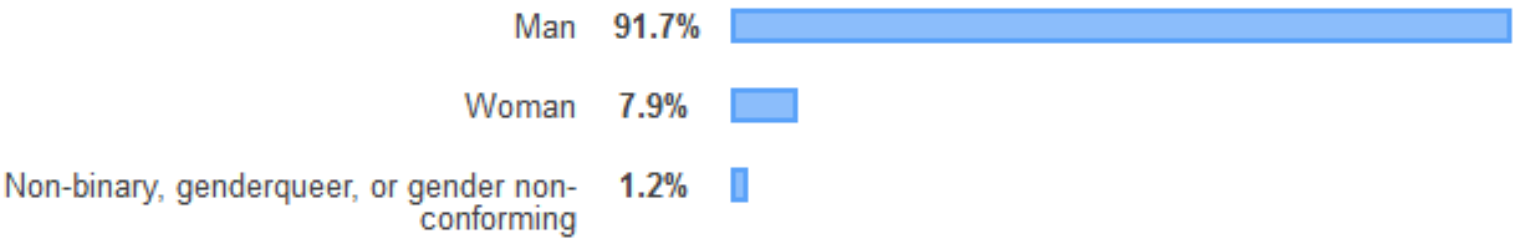



*84,260 responses; select all that apply*

برنامه‌نویس‌ها همیشه درحال یادگیری هستن. تقریبا 90% برنامه‌نویس‌ها میگن که به صورت خودآموز ابزارها، زبان‌ها و فریمورک‌ها رو یاد گرفتن.

## Gender

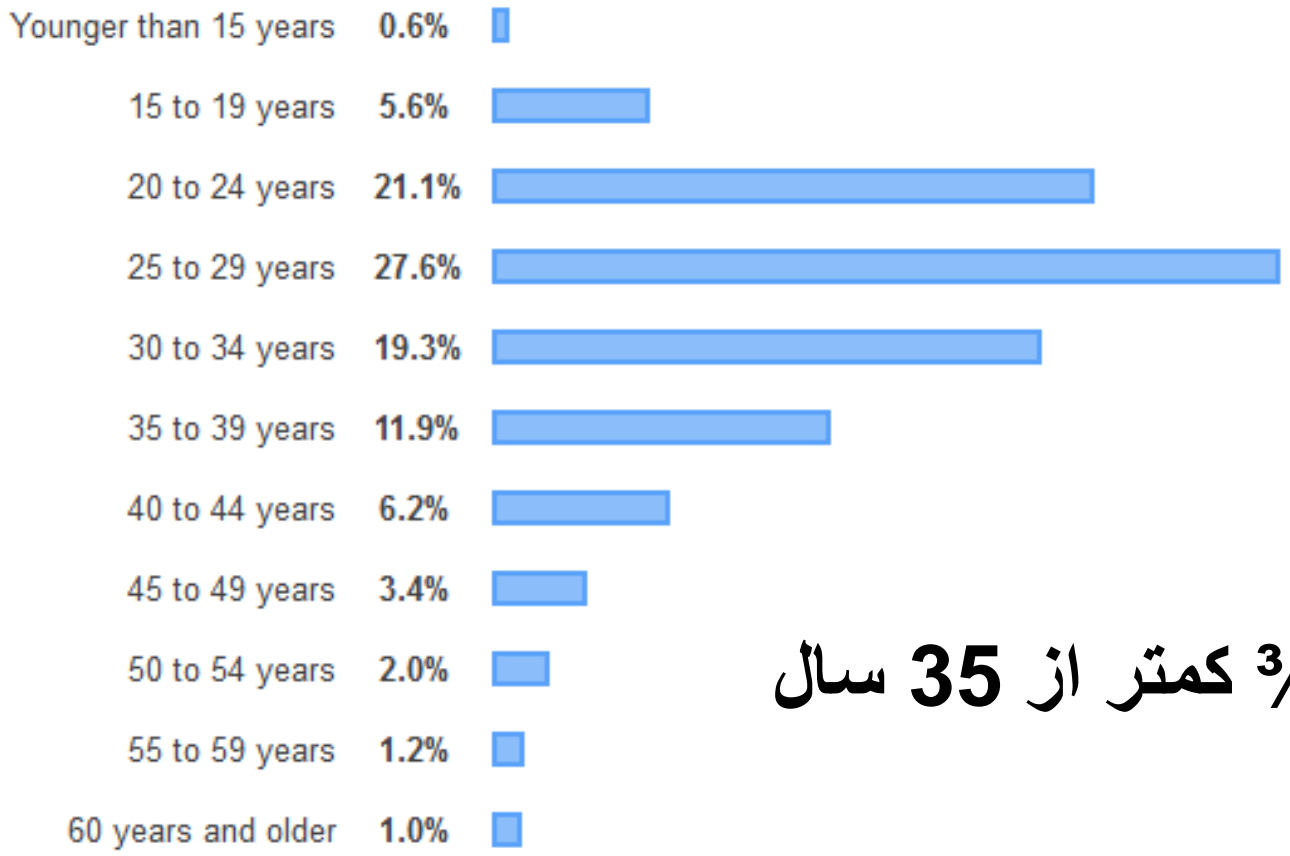
Gender Minorities by Country | All Respondents | Professional Developers | ★ Students




*85,406 responses; select all that apply*

## Age

All Respondents | Professional Developers

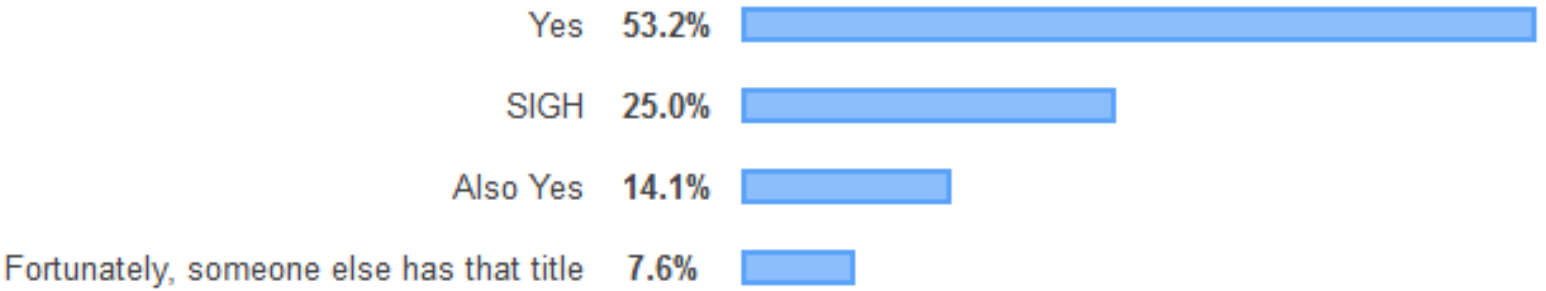



¾ کمتر از 35 سال

*79,210 responses*

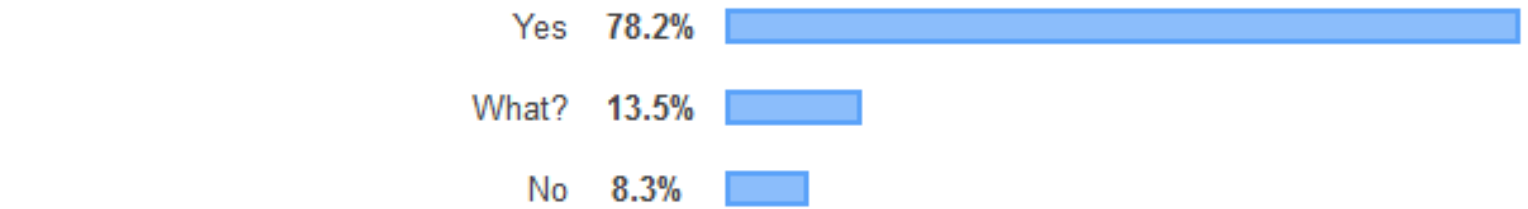
## Families and IT Support

Are you the IT Support Person for Your Family? | Have You Tried Turning It Off and On Again?




## Families and IT Support

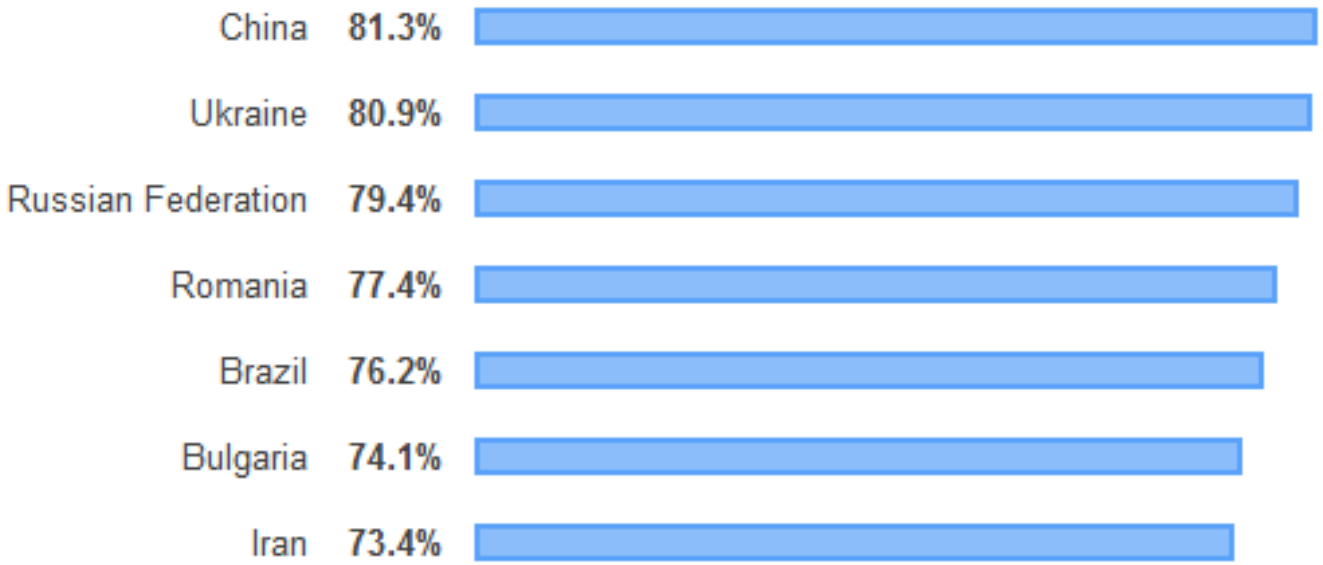
Are you the IT Support Person for Your Family? | Have You Tried Turning It Off and On Again?

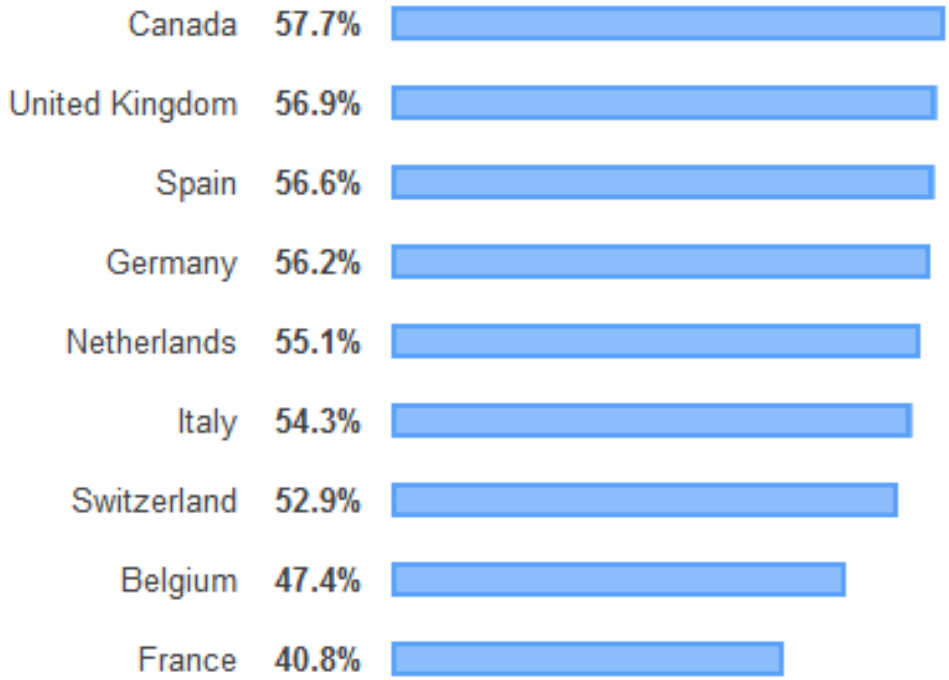



*86,663 responses*

## Will People Born Today Have a Better Life Than Their Parents?

Overall | By Country

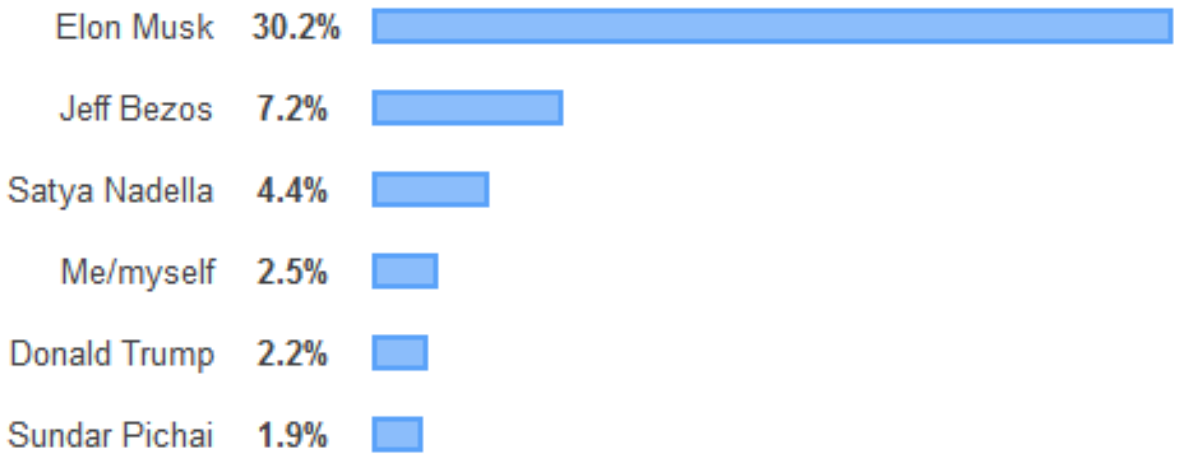



Canada 57.7%
United Kingdom 56.9%
Spain 56.6%
Germany 56.2%
Netherlands 55.1%
Italy 54.3%
Switzerland 52.9%
Belgium 47.4%
France 40.8%

## IRL or online chat?

*87,305 responses*

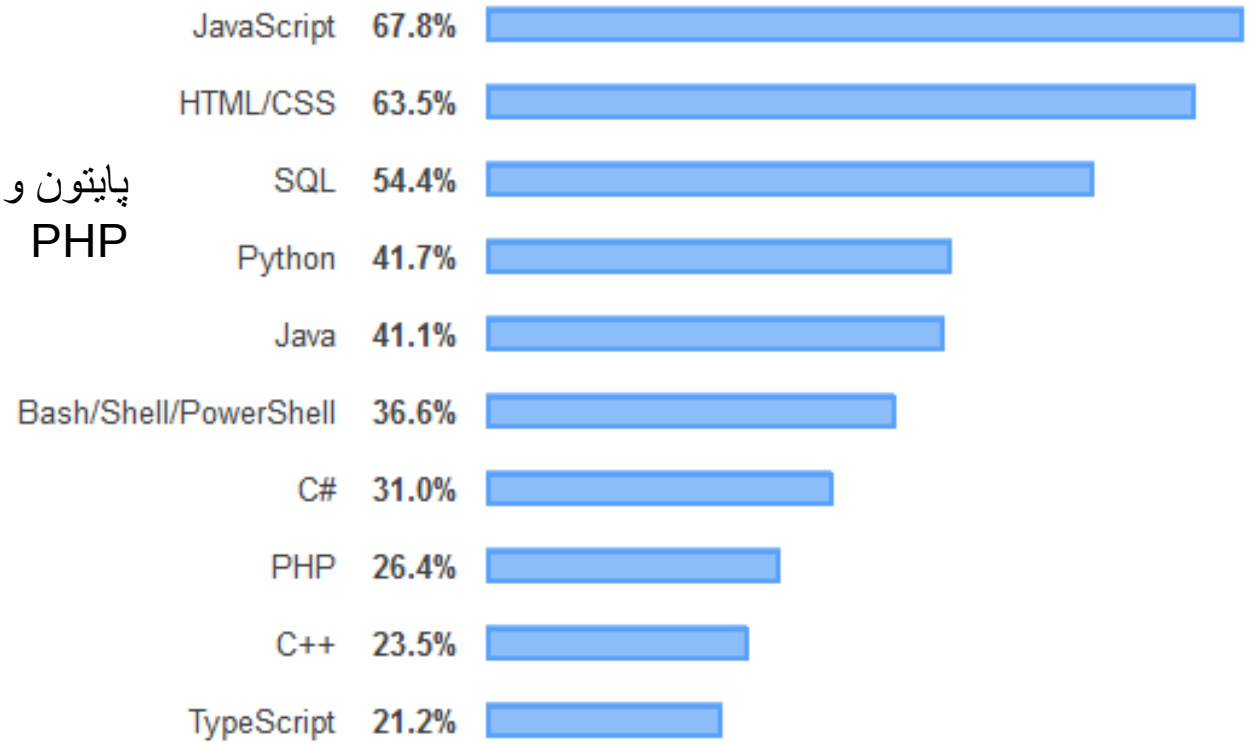
## What Individual Person Will Have the Most Influence In Tech This Year?



# Most Popular Technologies

## Programming, Scripting, and Markup Languages

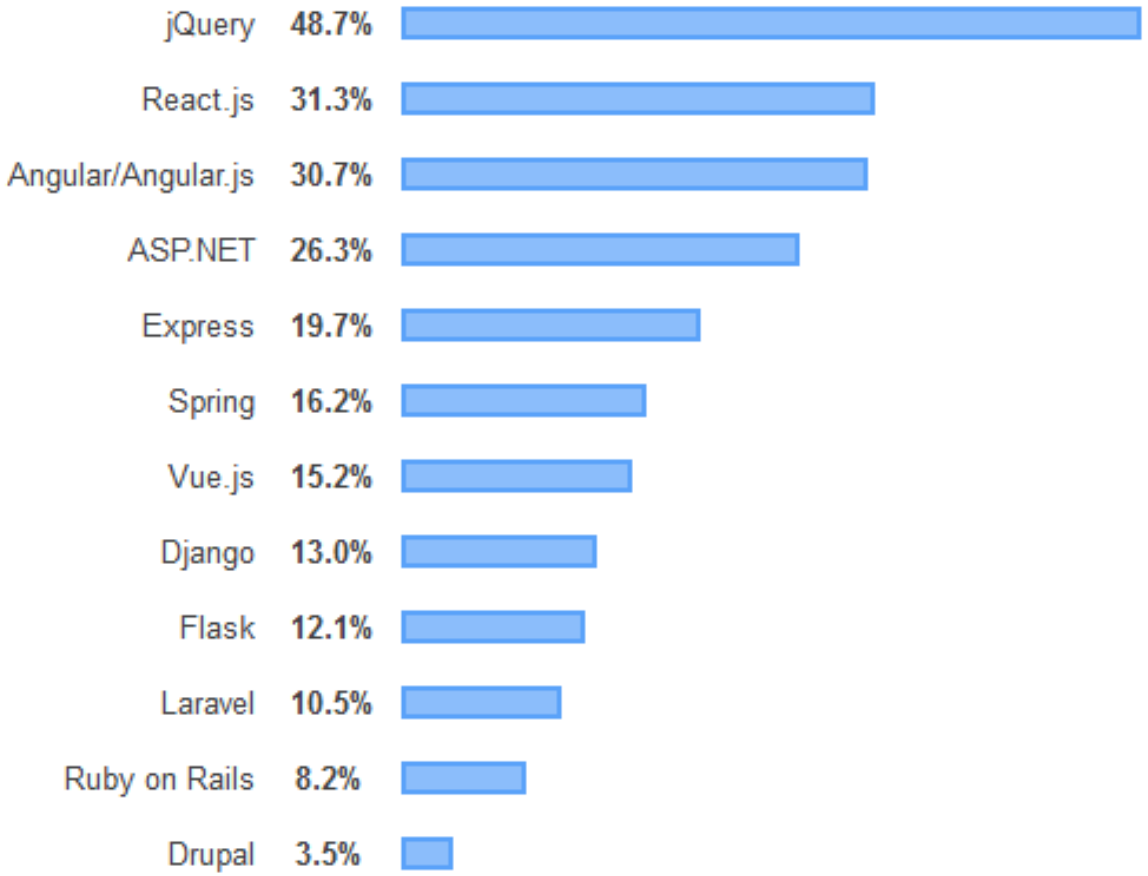
All Respondents | Professional Developers




پایتون و جاوا | C# و PHP

## Web Frameworks

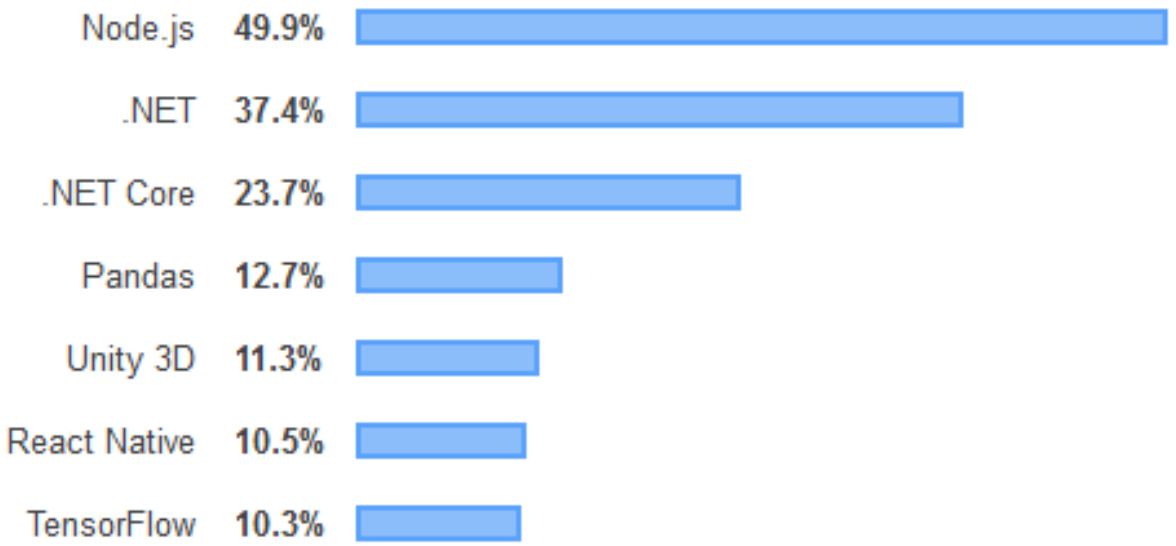
All Respondents | Professional Developers




*63,585 responses; select all that apply*

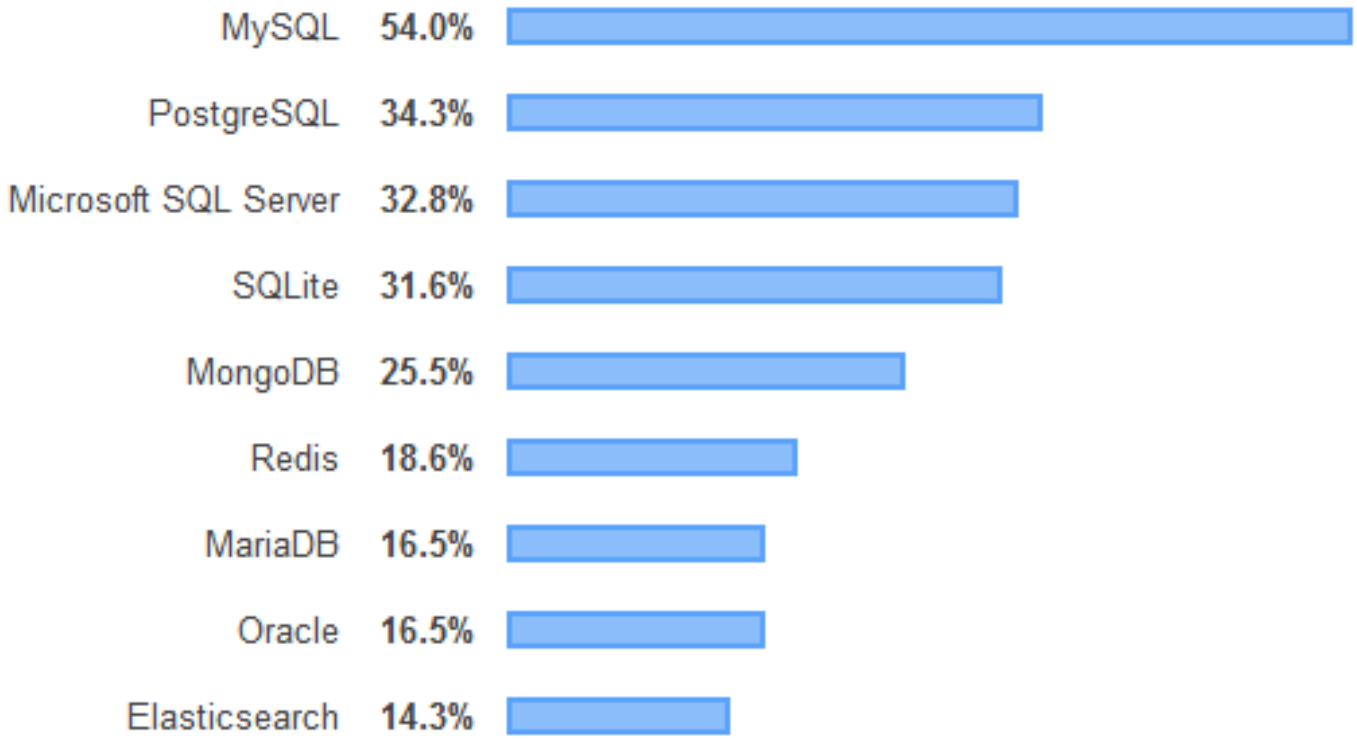
## Other Frameworks, Libraries, and Tools

All Respondents | Professional Developers



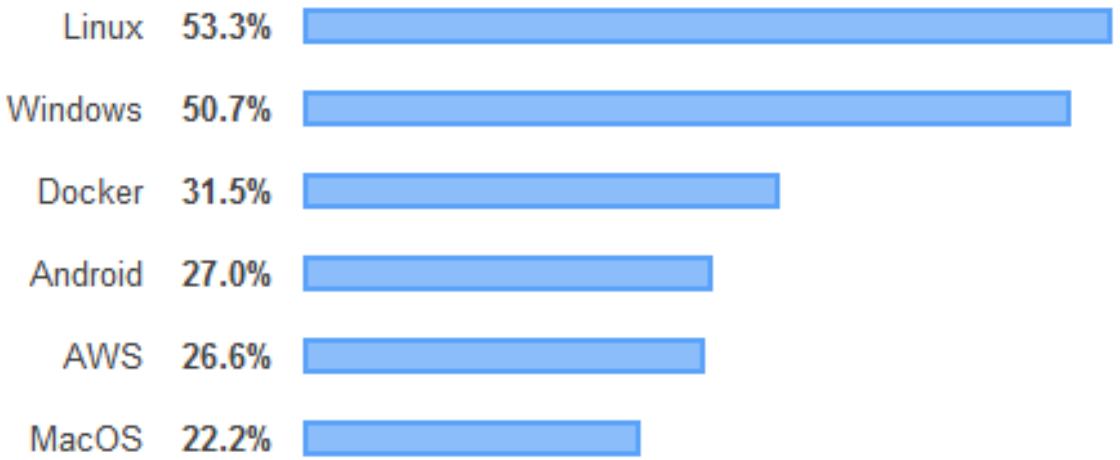
## Databases

All Respondents | Professional Developers



## Platforms

All Respondents | Professional Developers

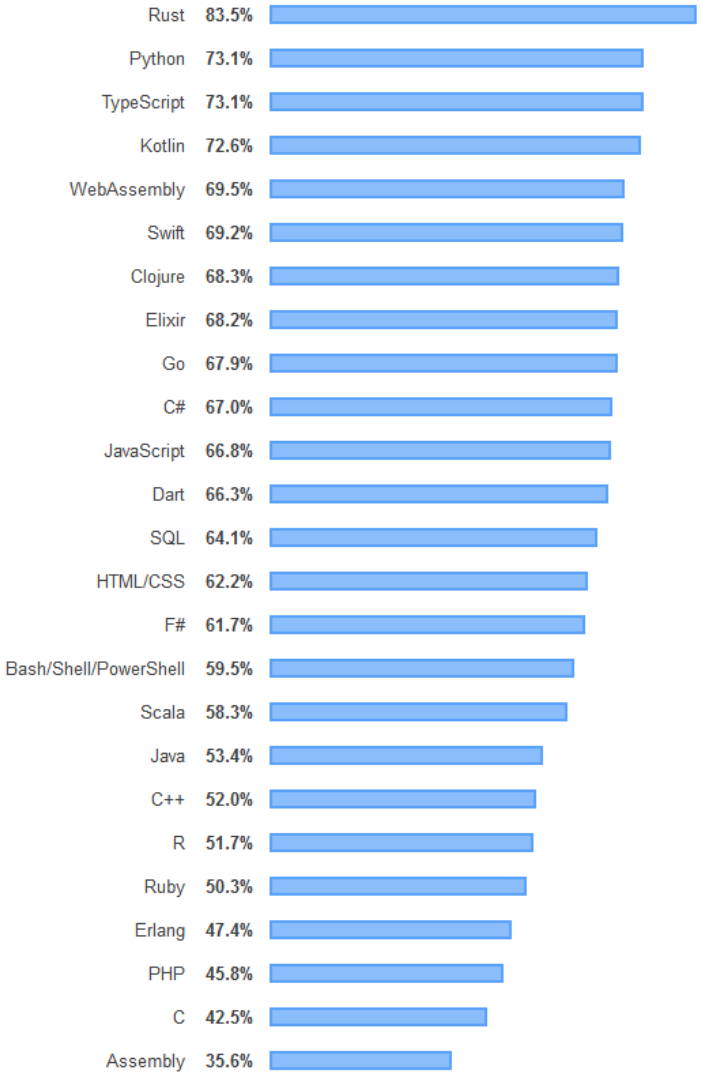


# Loved | Dreaded | Wanted

# Programming Languages

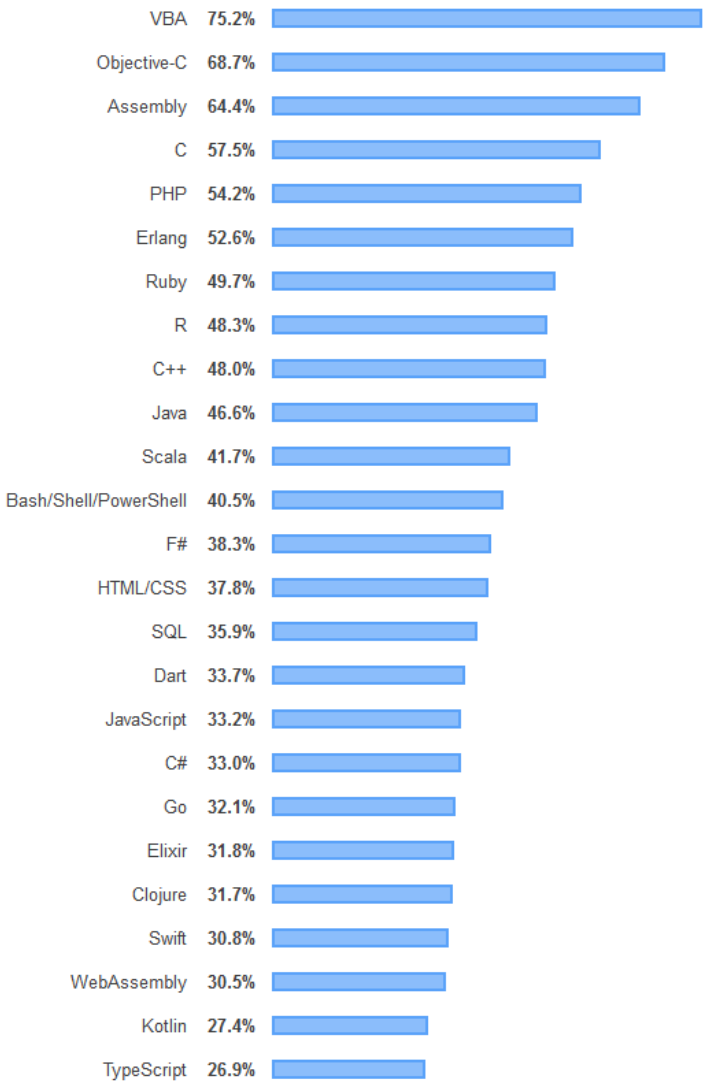
## Most Loved, Dreaded, and Wanted Languages

Loved | Dreaded | Wanted



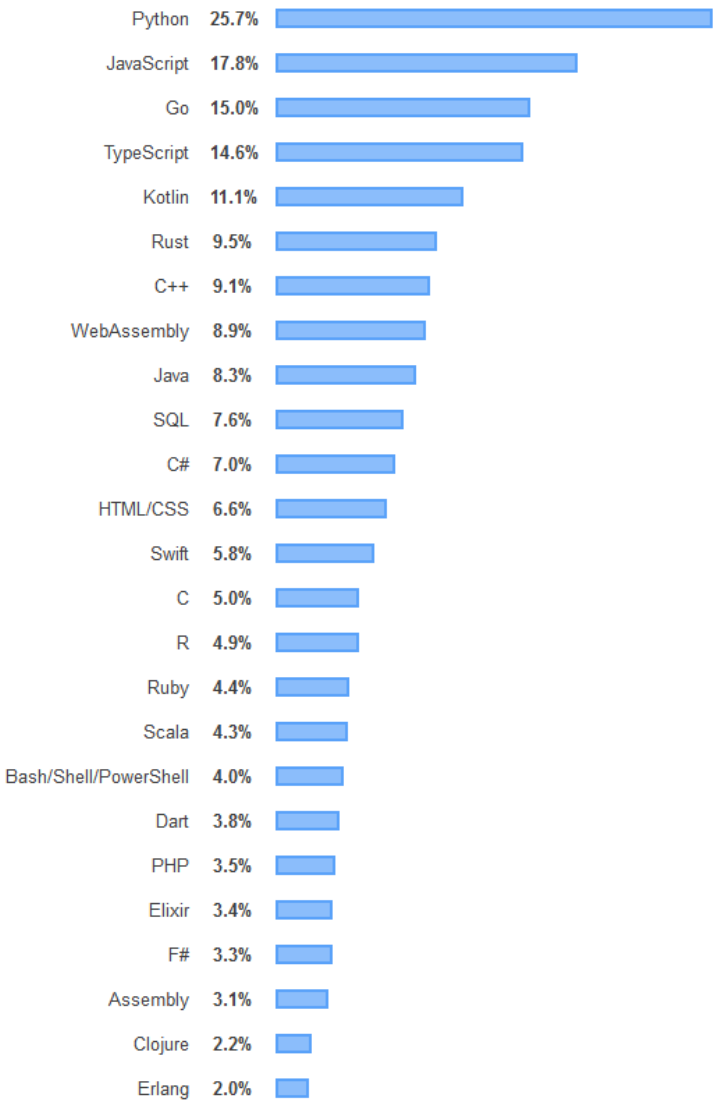
## Most Loved, Dreaded, and Wanted Languages

Loved | Dreaded | Wanted



## Most Loved, Dreaded, and Wanted Languages

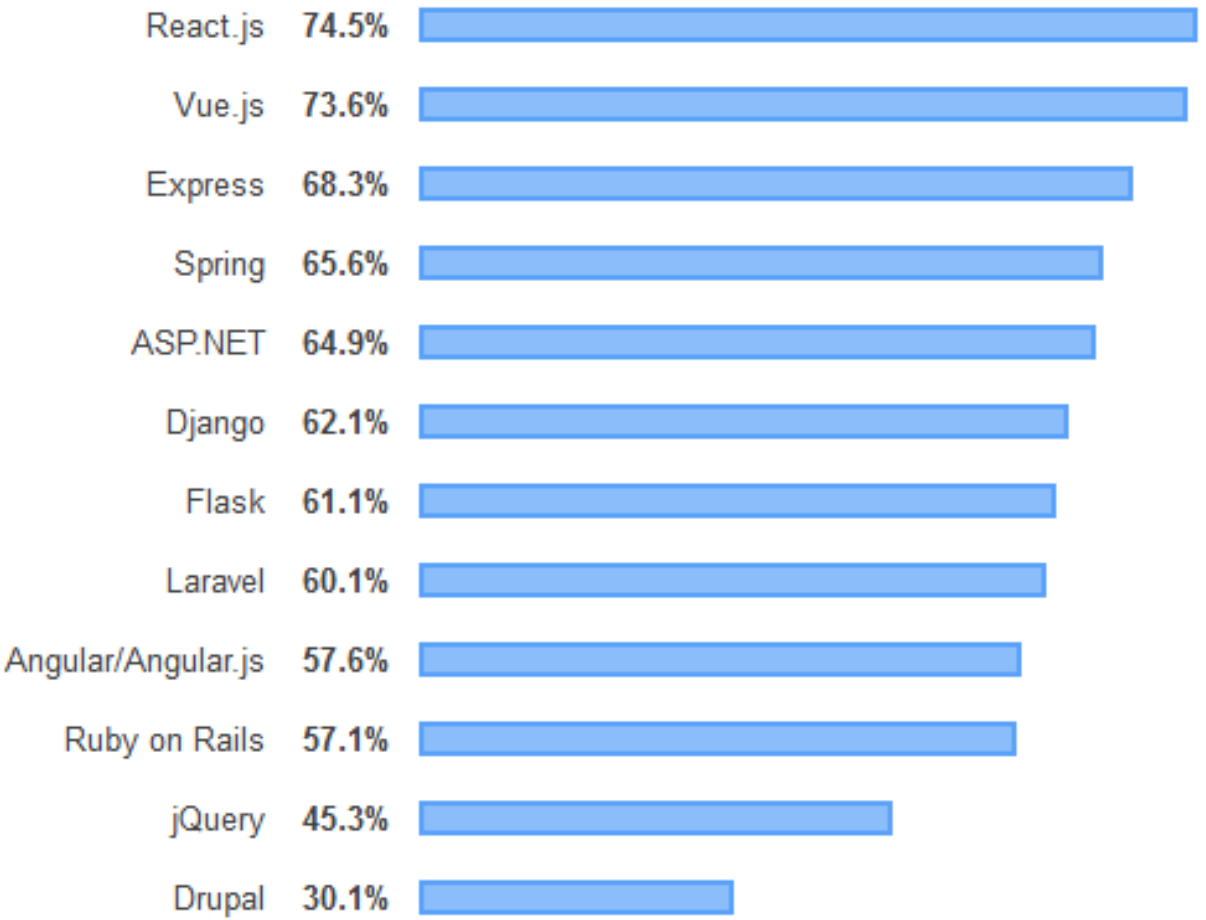
Loved | Dreaded | Wanted



# Web Frameworks

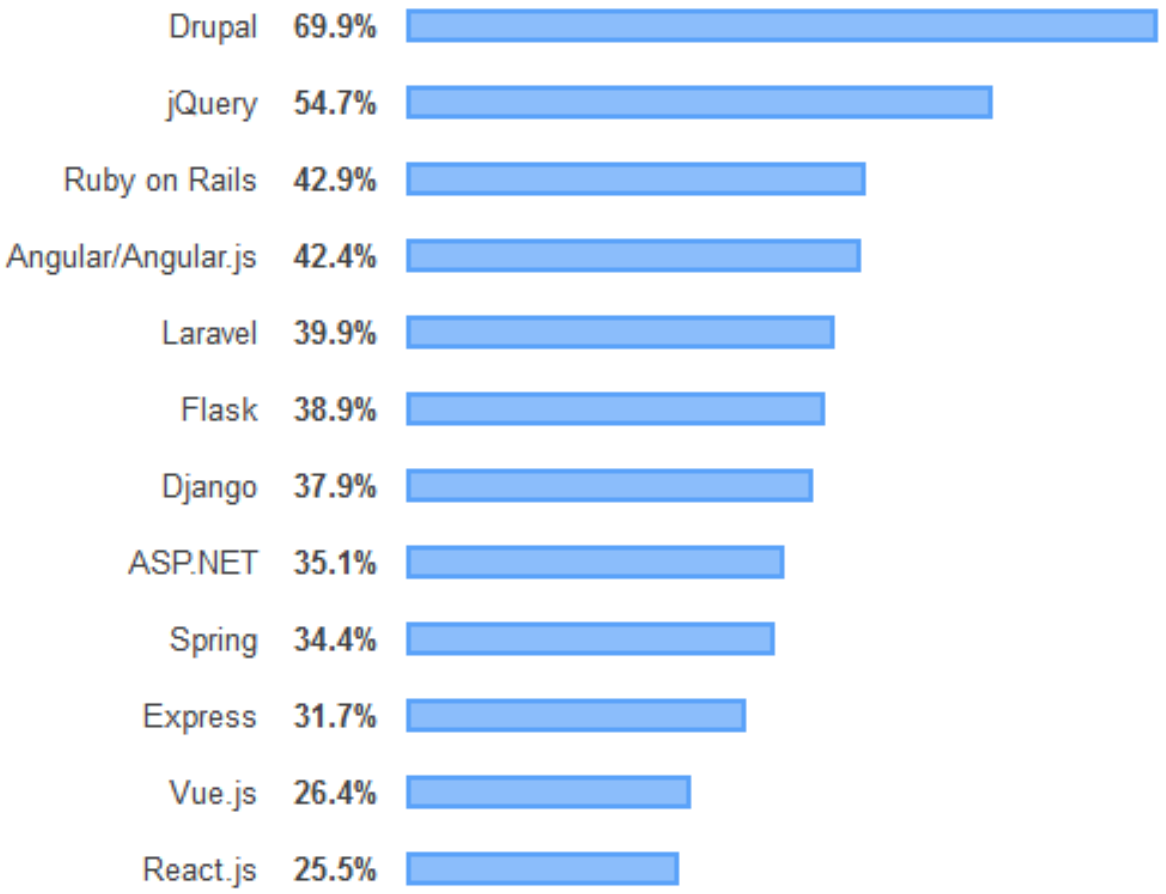
## Most Loved, Dreaded, and Wanted Web Frameworks

Loved | Dreaded | Wanted



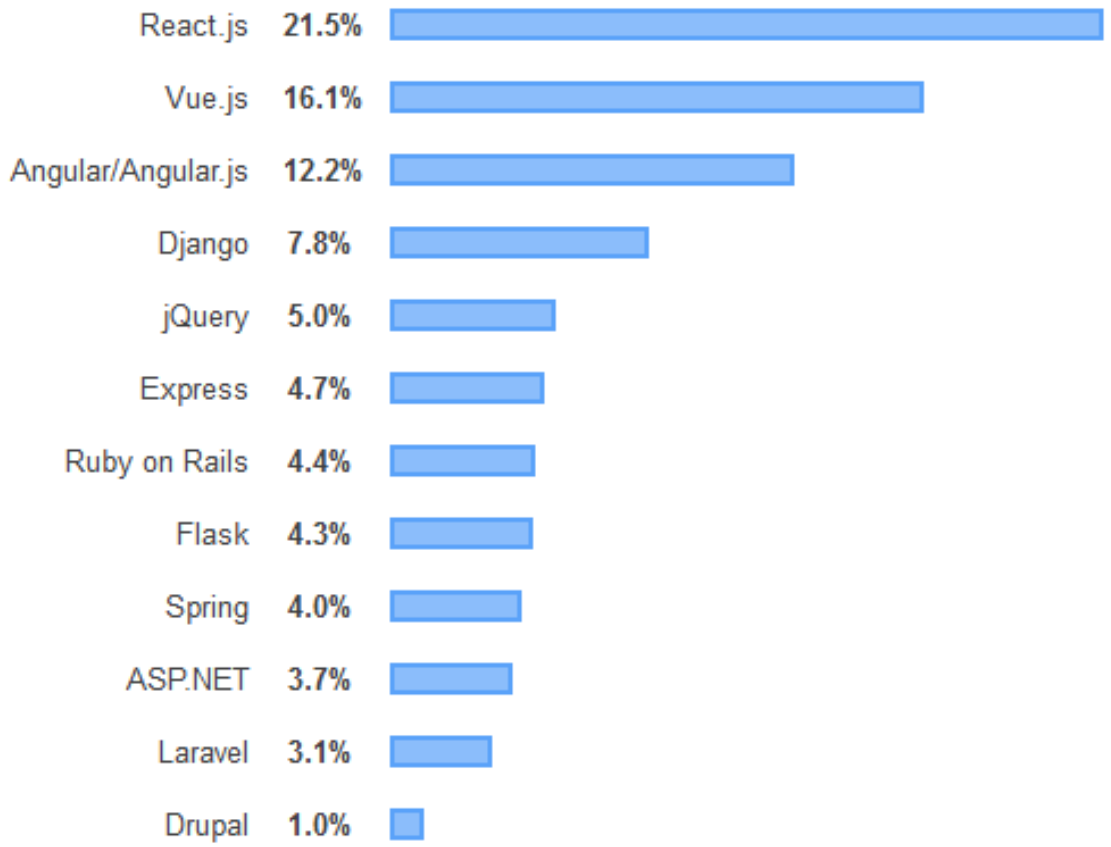
## Most Loved, Dreaded, and Wanted Web Frameworks

Loved | Dreaded | Wanted



## Most Loved, Dreaded, and Wanted Web Frameworks

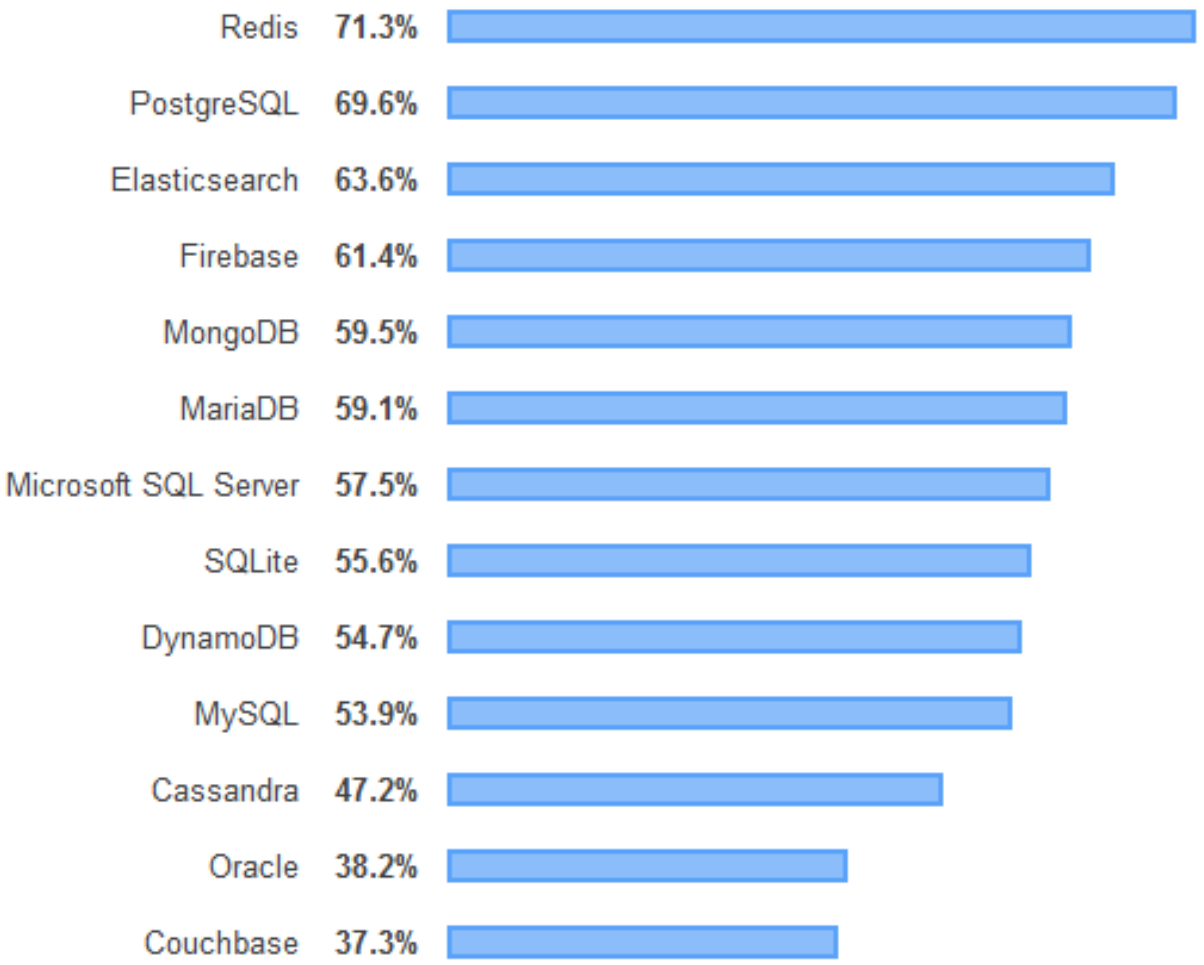
Loved | Dreaded | Wanted



# Databases

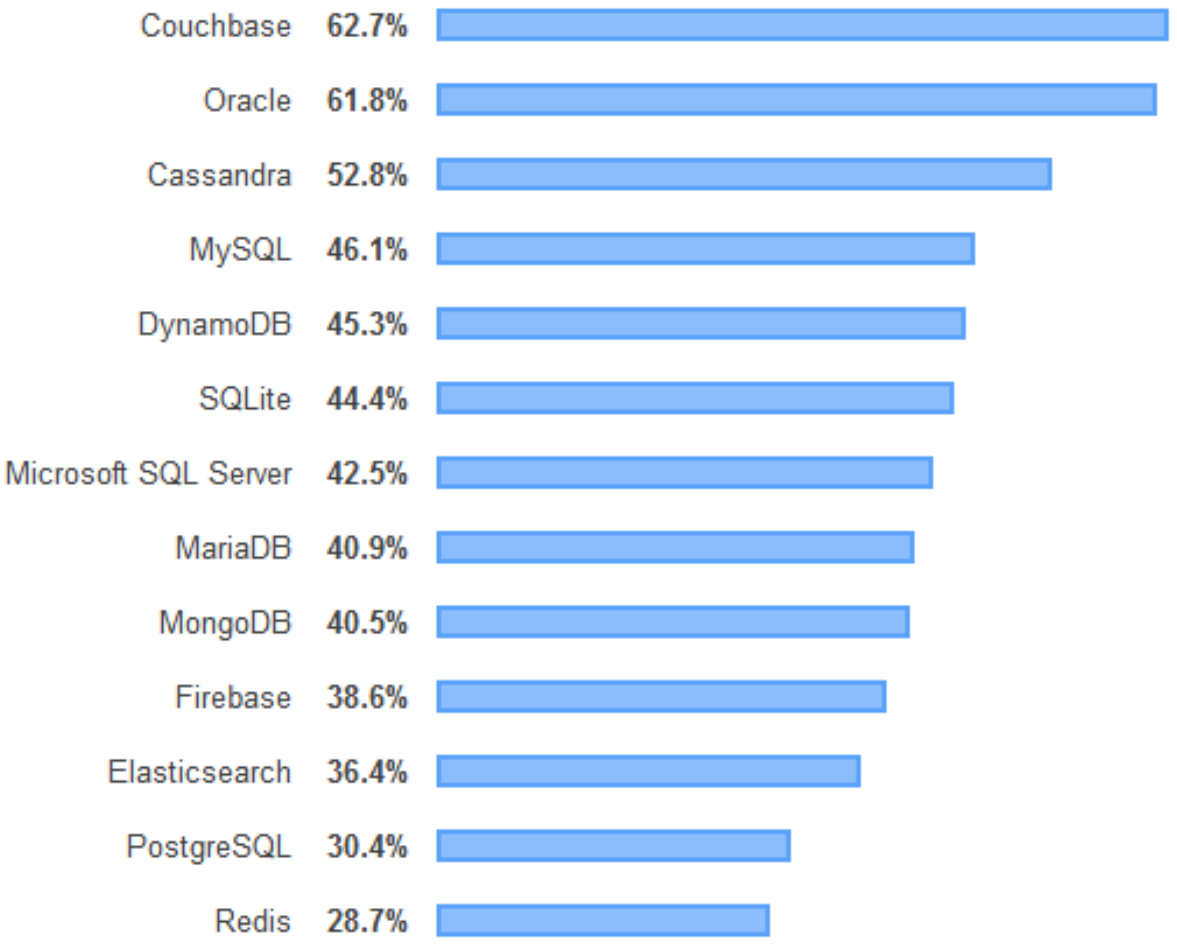
## Most Loved, Dreaded, and Wanted Databases

Loved | Dreaded | Wanted



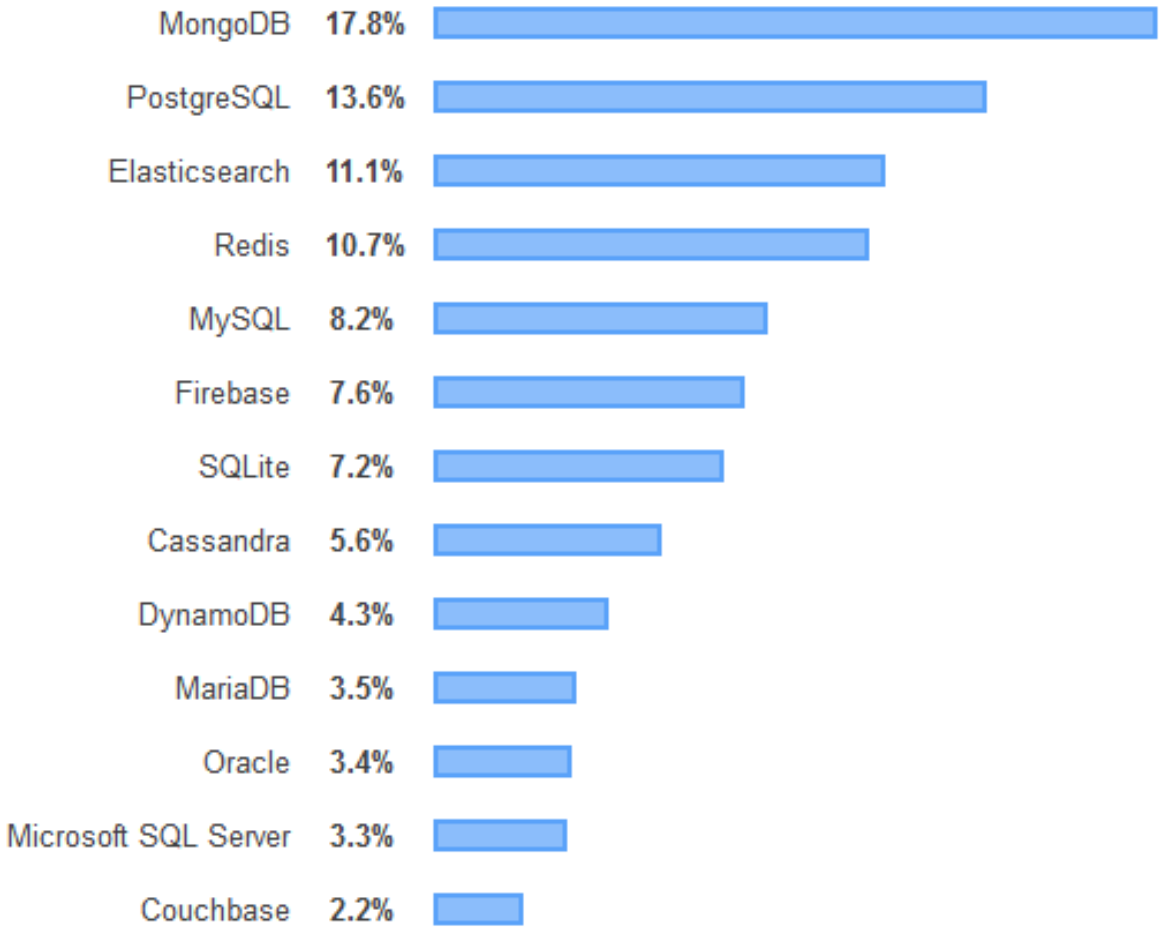
## Most Loved, Dreaded, and Wanted Databases

Loved | Dreaded | Wanted



## Most Loved, Dreaded, and Wanted Databases

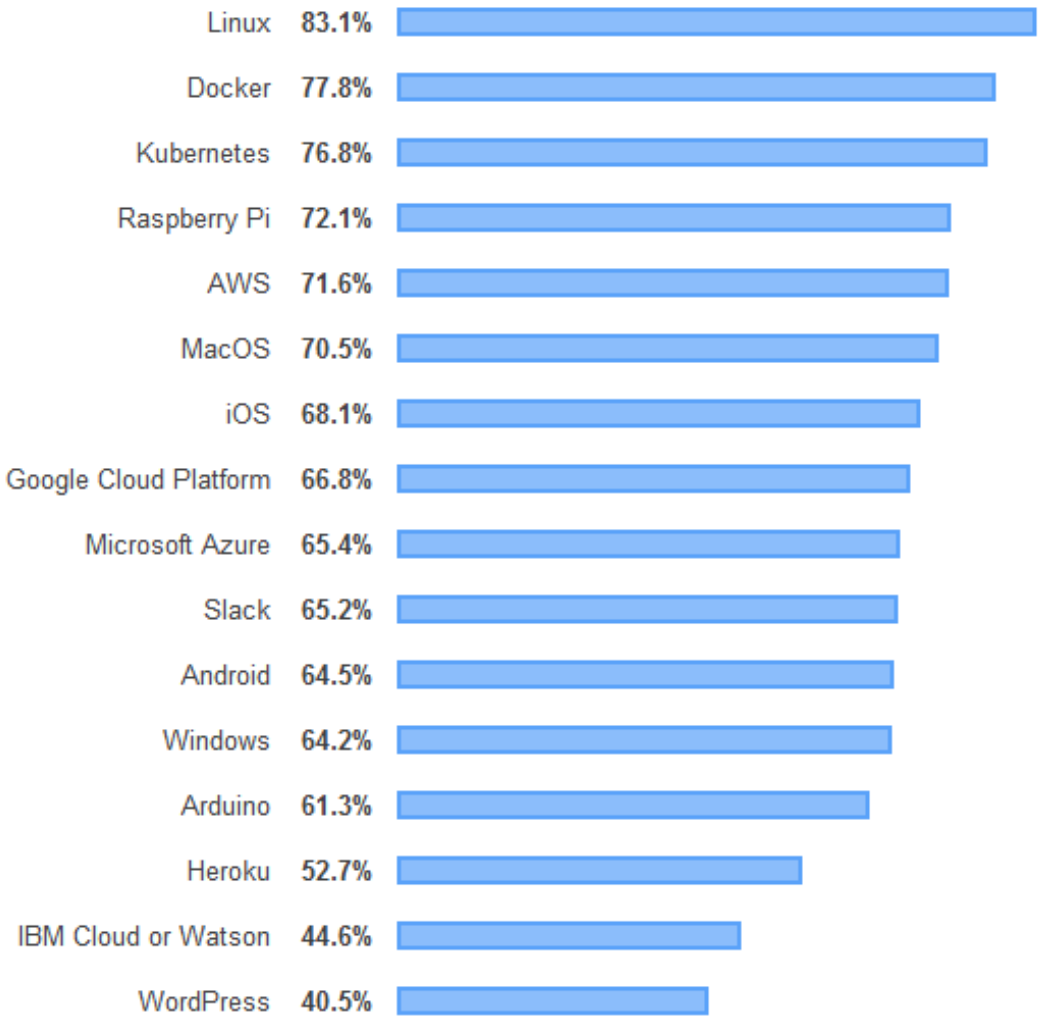
Loved | Dreaded | Wanted



# Platforms

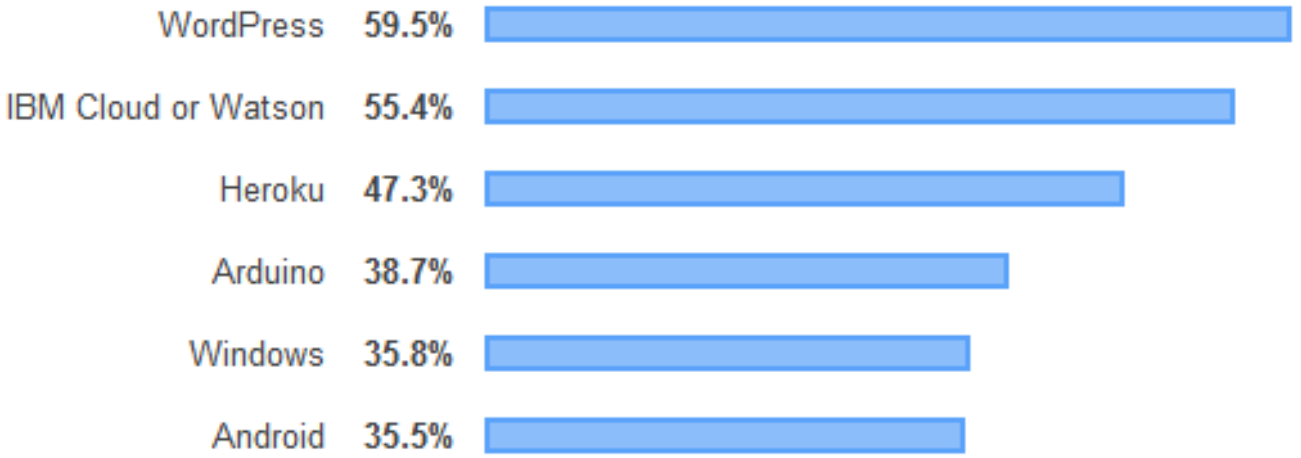
## Most Loved, Dreaded, and Wanted Platforms

Loved | Dreaded | Wanted



## Most Loved, Dreaded, and Wanted Platforms

Loved | Dreaded | Wanted



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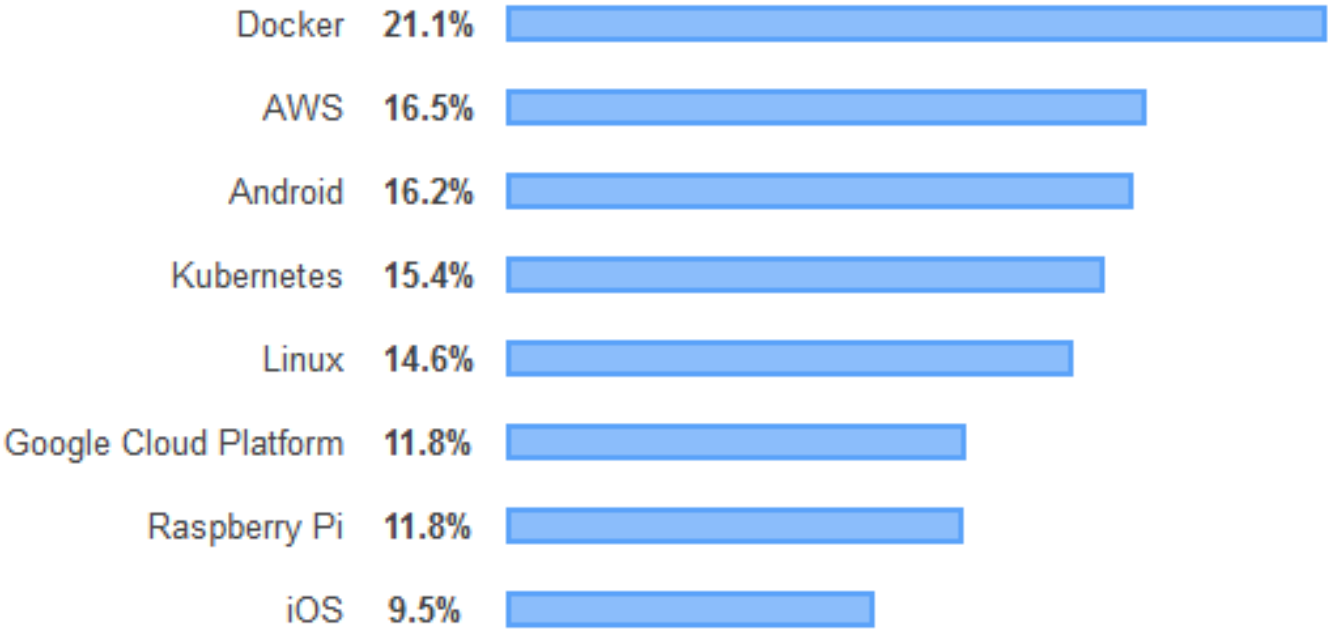
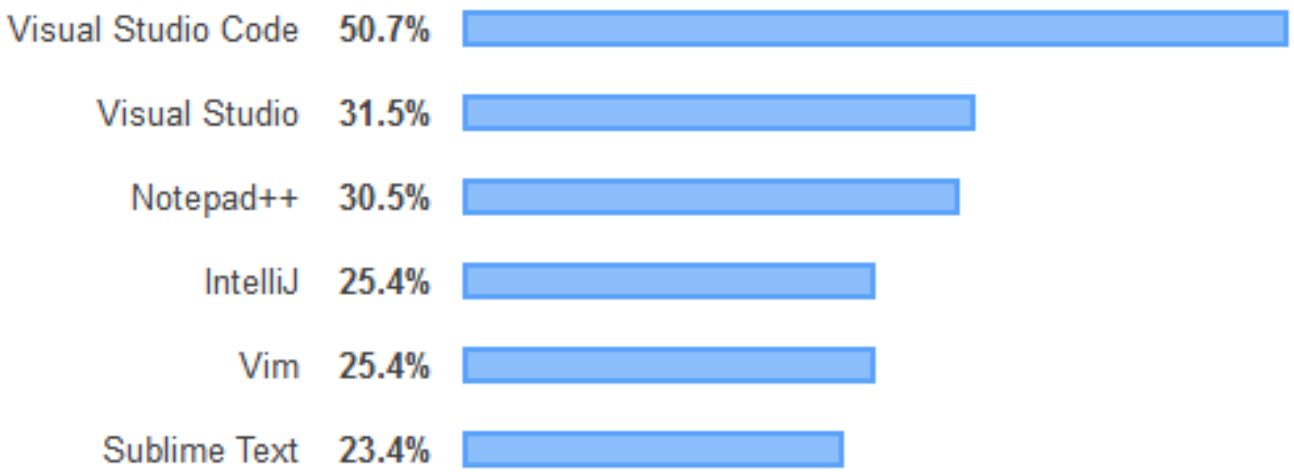
Loved | Dreaded | Wanted



# Development Environments

## Most Popular Development Environments

All Respondents | Web Developers | Mobile Developers | SRE/DevOps



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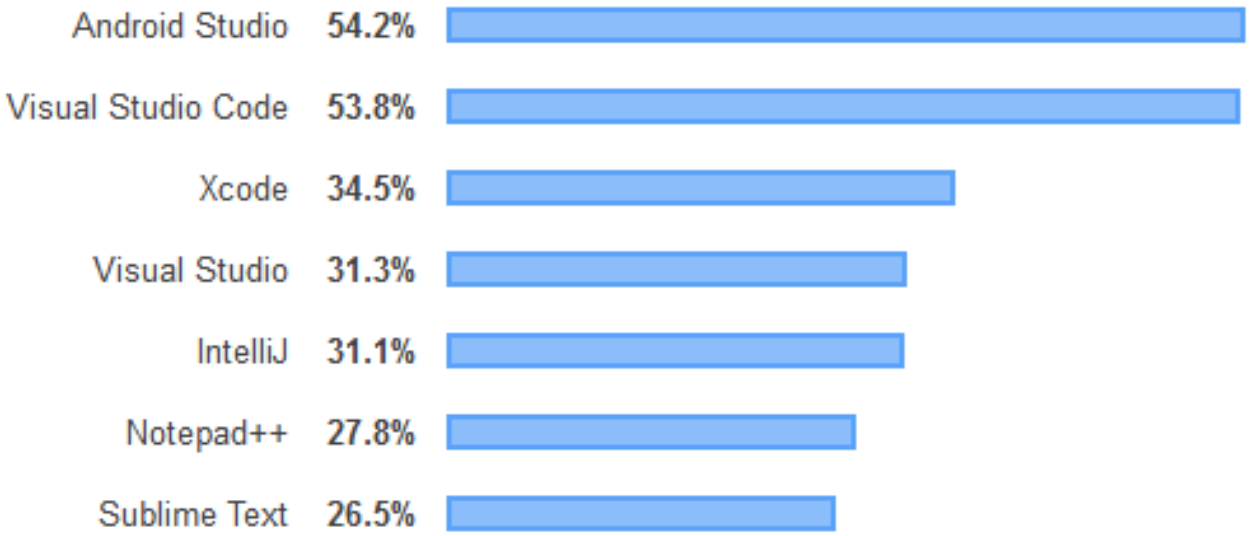


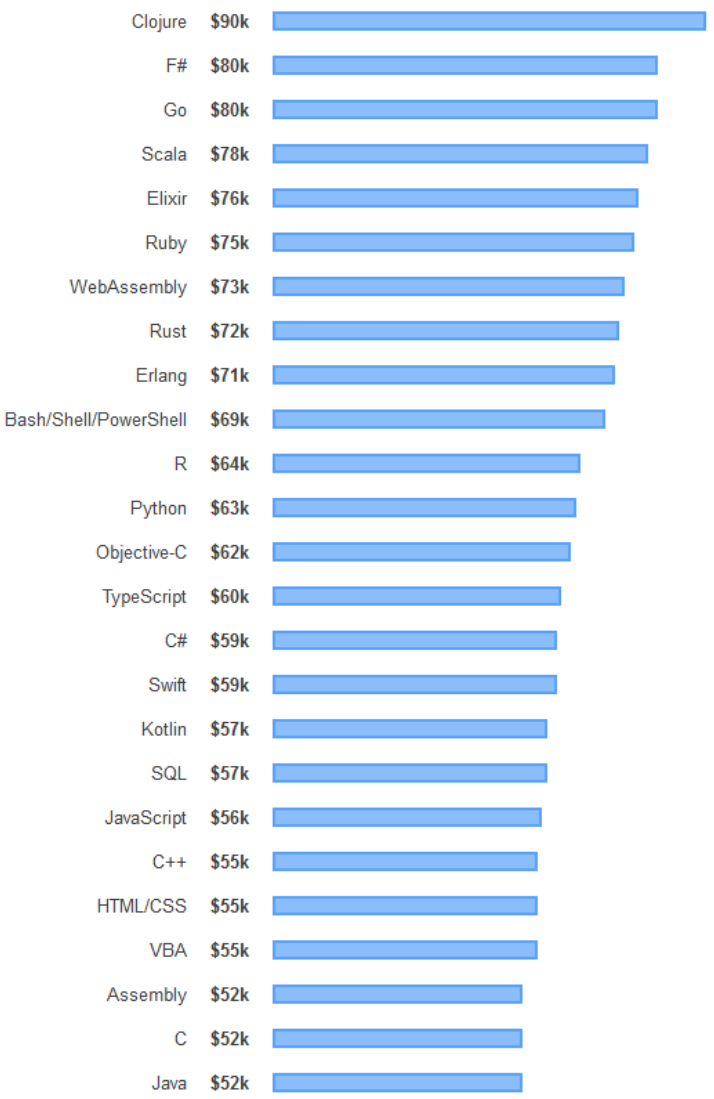
## Developers' Primary Operating Systems

All Respondents | Professional Developers

# Salaries !

## What Languages Are Associated with the Highest Salaries Worldwide?

Global | United States



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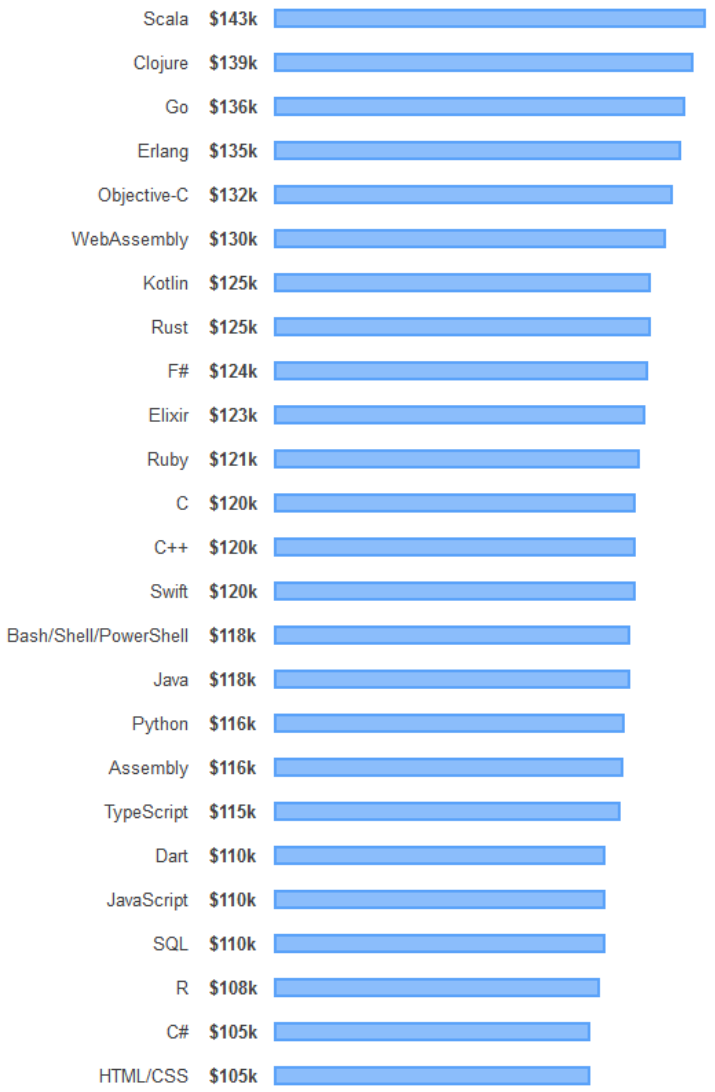
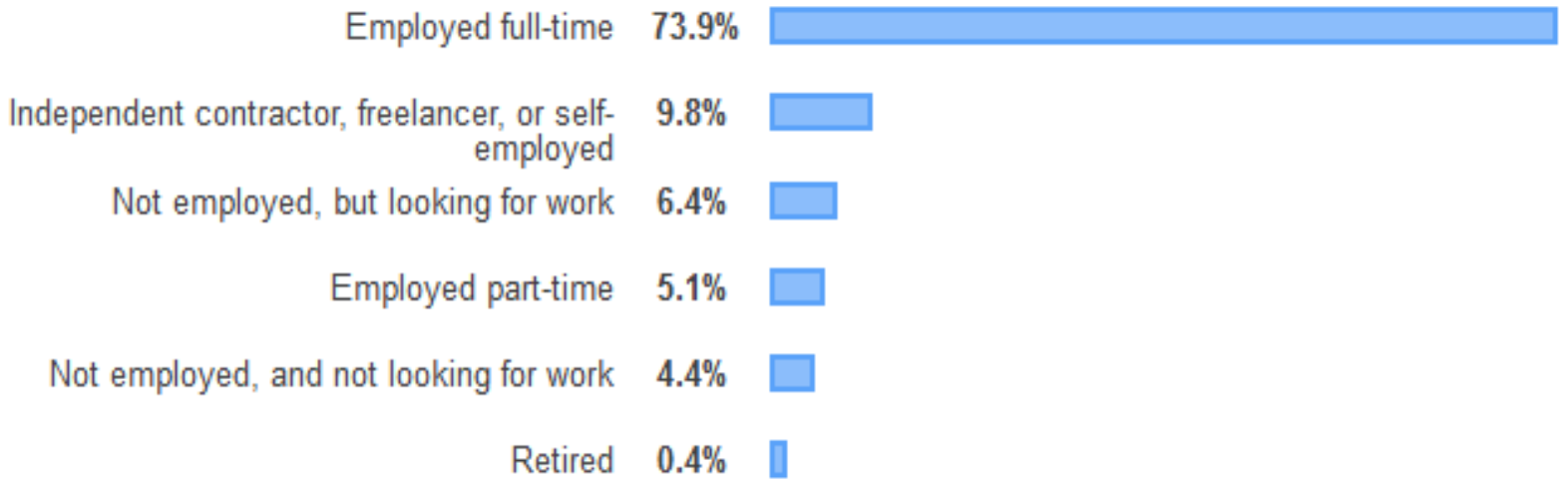


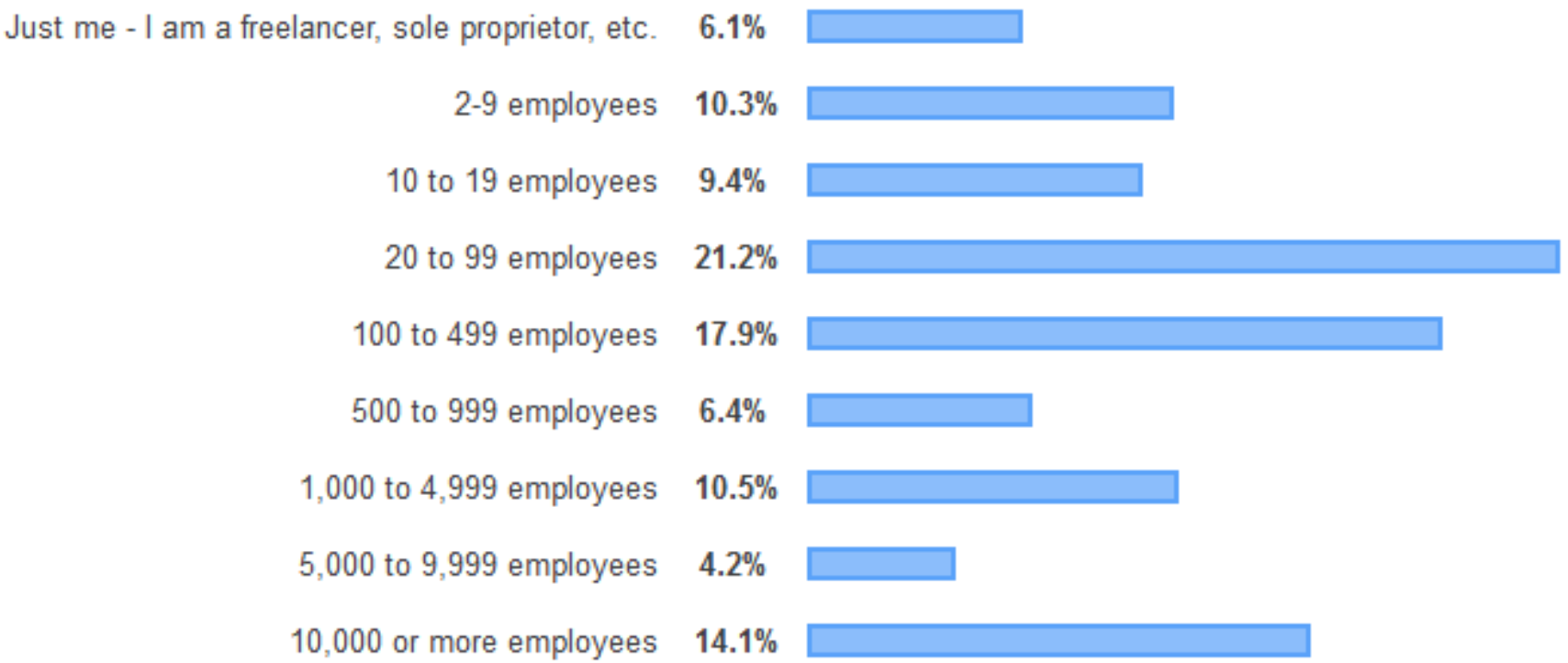
## Employment Status

All Respondents | Professional Developers



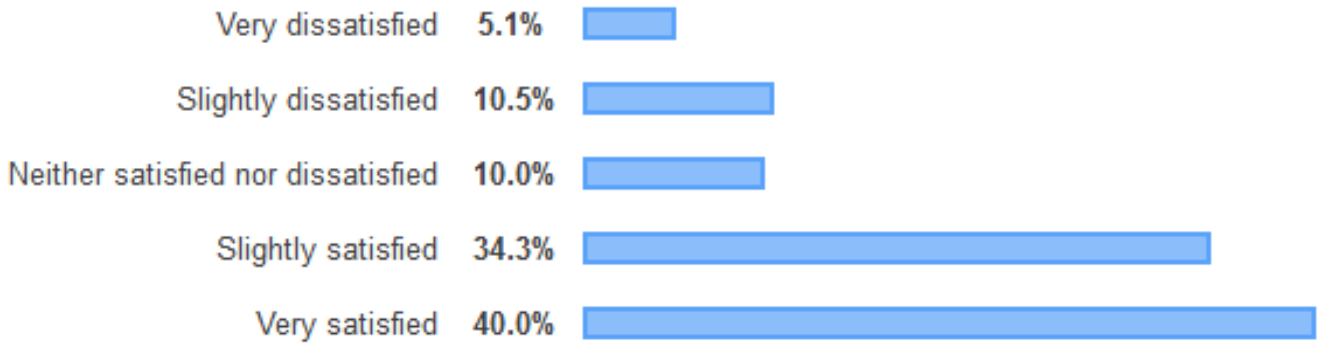

*87,181 responses*

## Company Size



## How Do Developers Feel About Their Careers and Jobs?

Career Satisfaction | Job Satisfaction

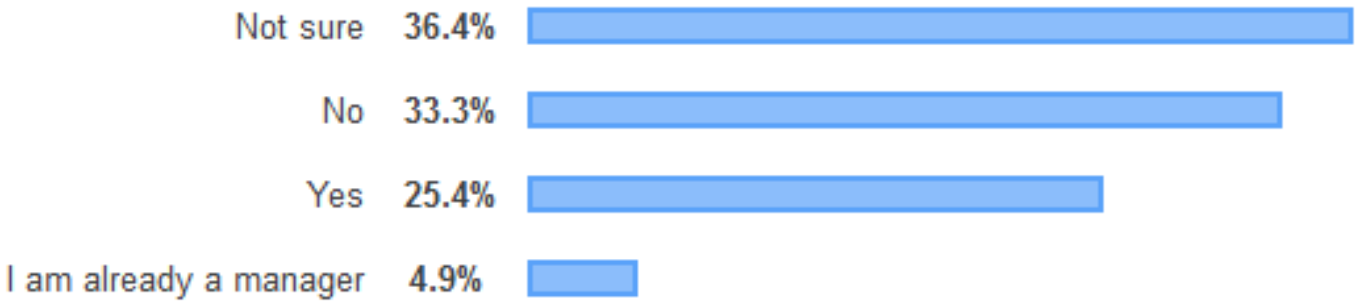



*72,847 responses*

## Do Developers Need to Become Managers to Make More Money?

*61,157 responses*

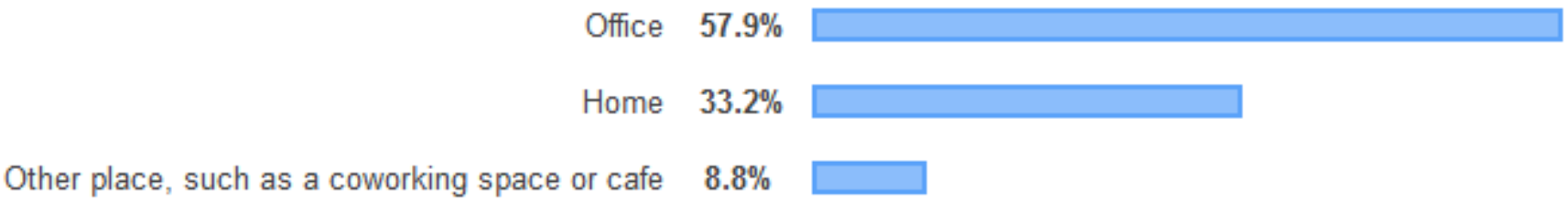
## Do Developers Want To Become Managers in the Future?




*61,232 responses*

## Where Do Developers Want to Work?

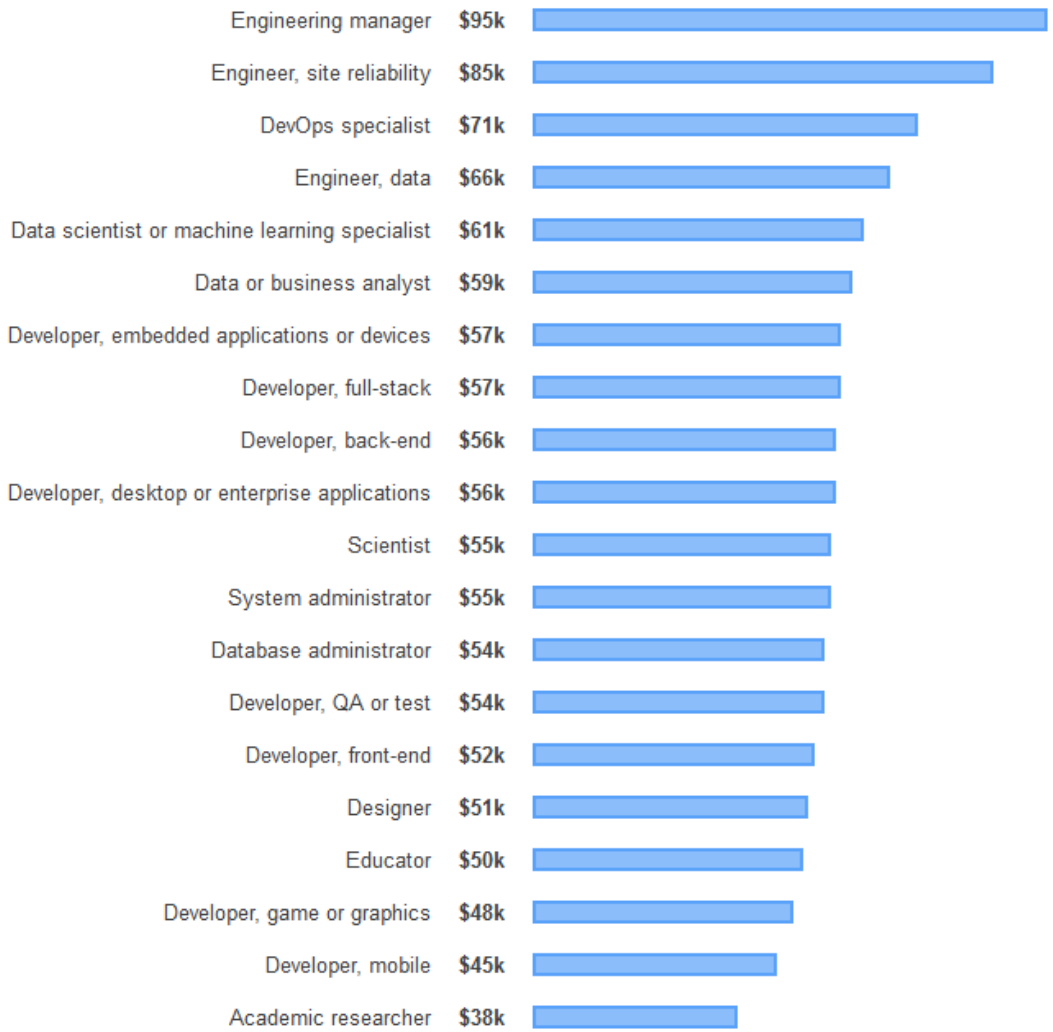
Overall | United States | India | United Kingdom | Germany | Canada




*70,055 responses*

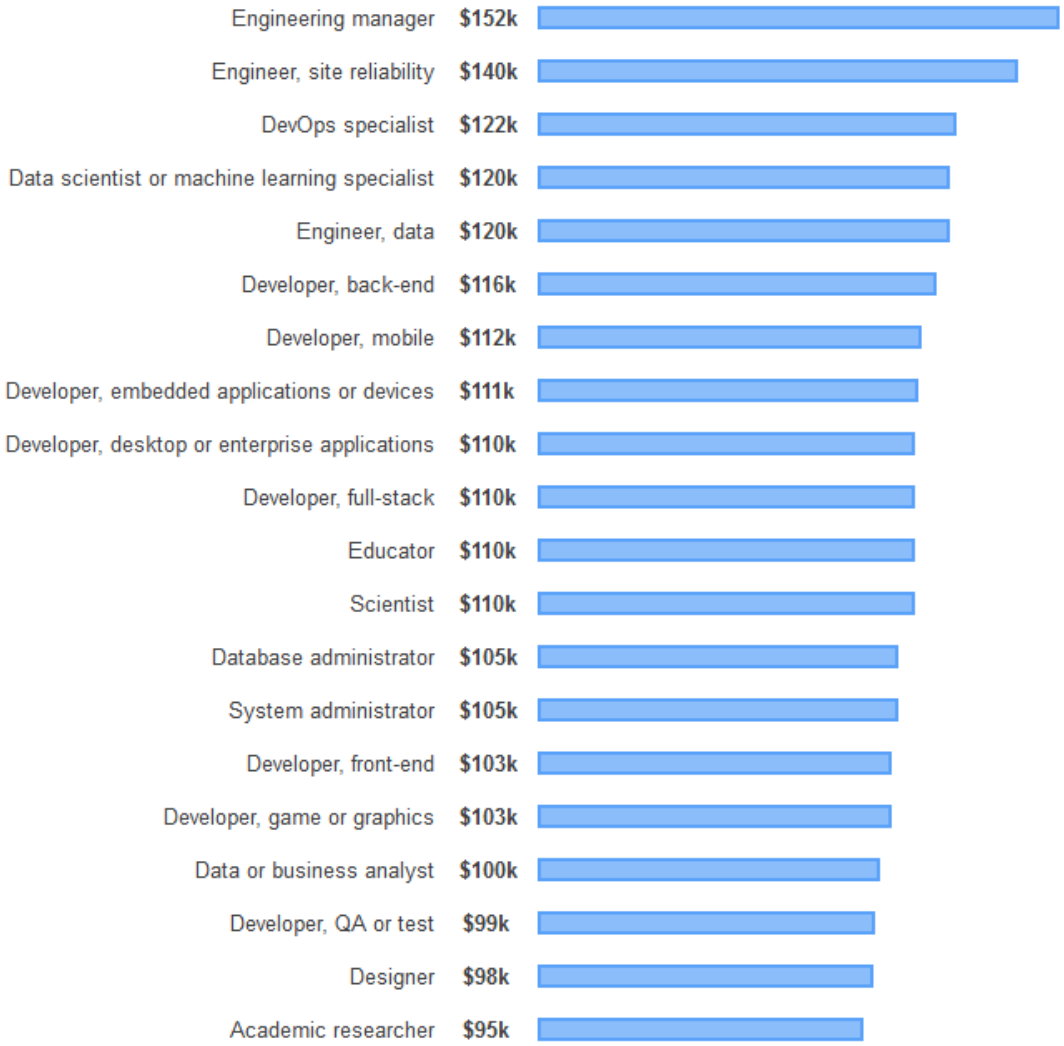
## Salary by Developer Type

Global | United States



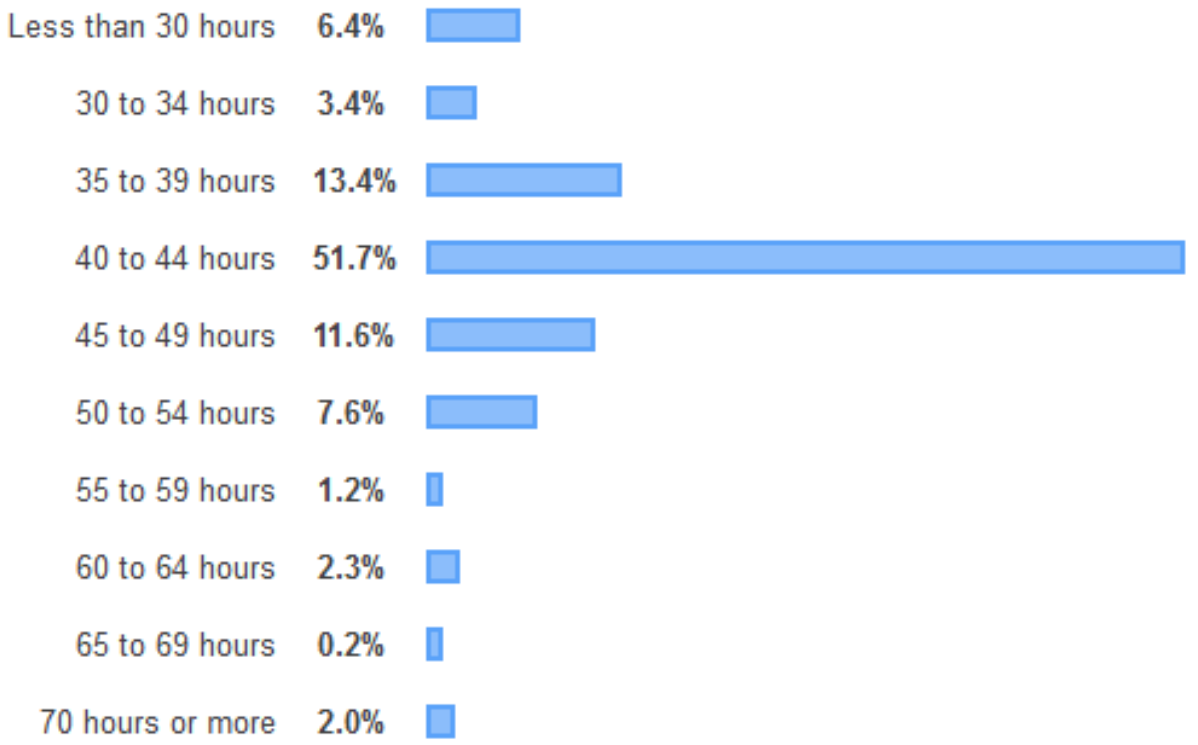
## Salary by Developer Type

Global | United States



## Hours Worked Per Week

Overall | By Developer Type | By Country




*64,503 responses*

## GERMANY

| | |
|---|---|
| Software developer | $47,756 |
| Java Developer | $47,824 |
| .Net Developer | $48,903 |
| PHP Developer | $42,579 |
| Data scientist | $43,141 |
| Front end developer | $45,027 |

## FRANCE

| | |
|---|---|
| Software developer | $37,081 |
| Java Developer | $42,302 |
| .Net Developer | $35,077 |
| PHP Developer | $32,827 |
| Data scientist | $39,981 |
| Front end developer | $40,109 |

## INDIA

| | |
|---|---|
| Software developer | $5,779 |
| Java Developer | $5,952 |
| .Net Developer | $5,231 |
| PHP Developer | $3,636 |
| Data scientist | $9,210 |
| Front end developer | $6,303 |

## CANADA

| | |
|---|---|
| Software developer | $46,405 |
| Java Developer | $47,022 |
| .Net Developer | $45,226 |
| PHP Developer | $41,423 |
| Data scientist | $55,366 |
| Front end developer | $41,498 |

## UNITED STATES

| | |
|---|---|
| Software developer | $68,963 |
| Java Developer | $72,936 |
| .Net Developer | $65,888 |
| PHP Developer | $61,906 |
| Data scientist | $92,089 |
| Front end developer | $67,479 |

## AUSTRALIA

| | |
|---|---|
| Software developer | $50,823 |
| Java Developer | $57,631 |
| .Net Developer | $49,129 |
| PHP Developer | $48,866 |
| Data scientist | $66,058 |
| Front end developer | $53,416 |

SHETAB
SOFTWARE COMPANY

AliN11