

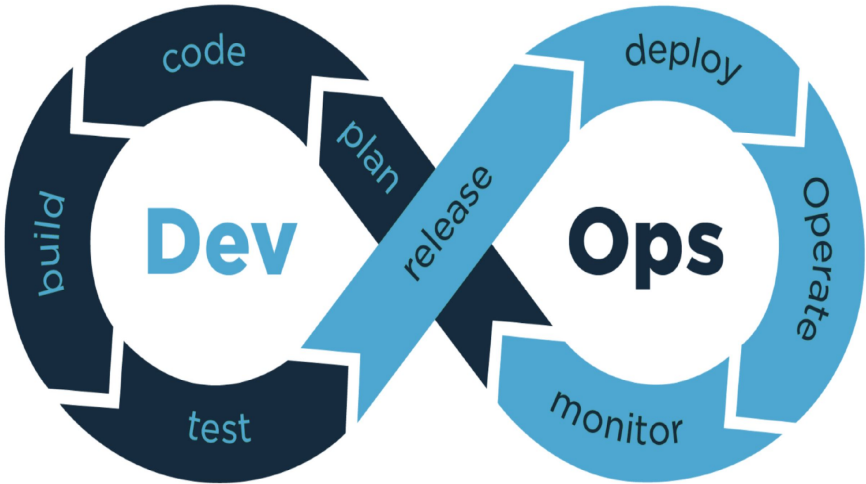


# Introduction to AWS/Devops



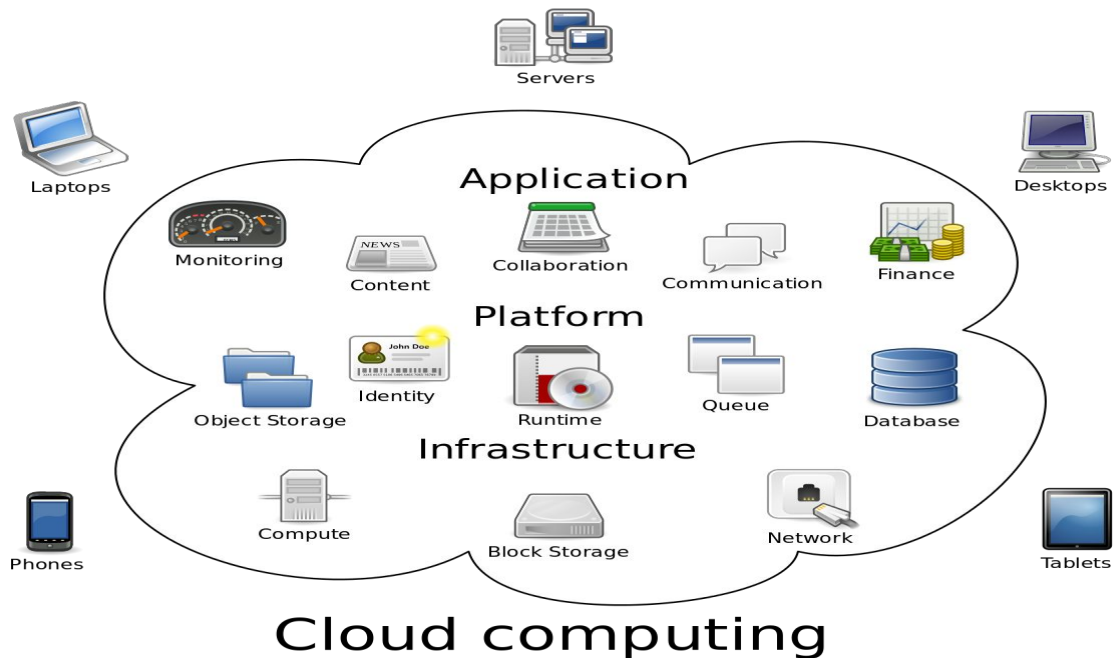


# AWS / DEVOPS





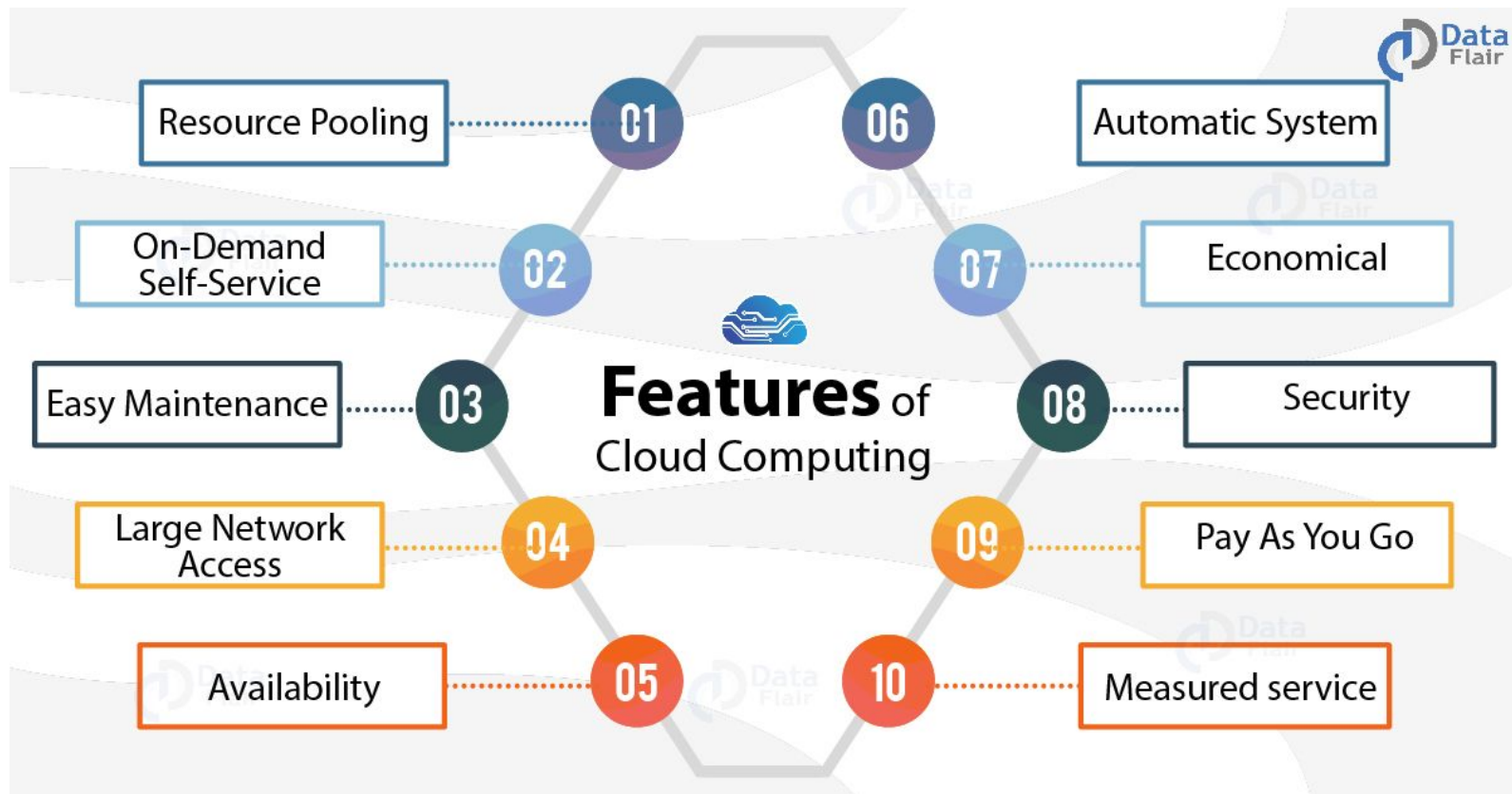
# What is Cloud Computing?



Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing.



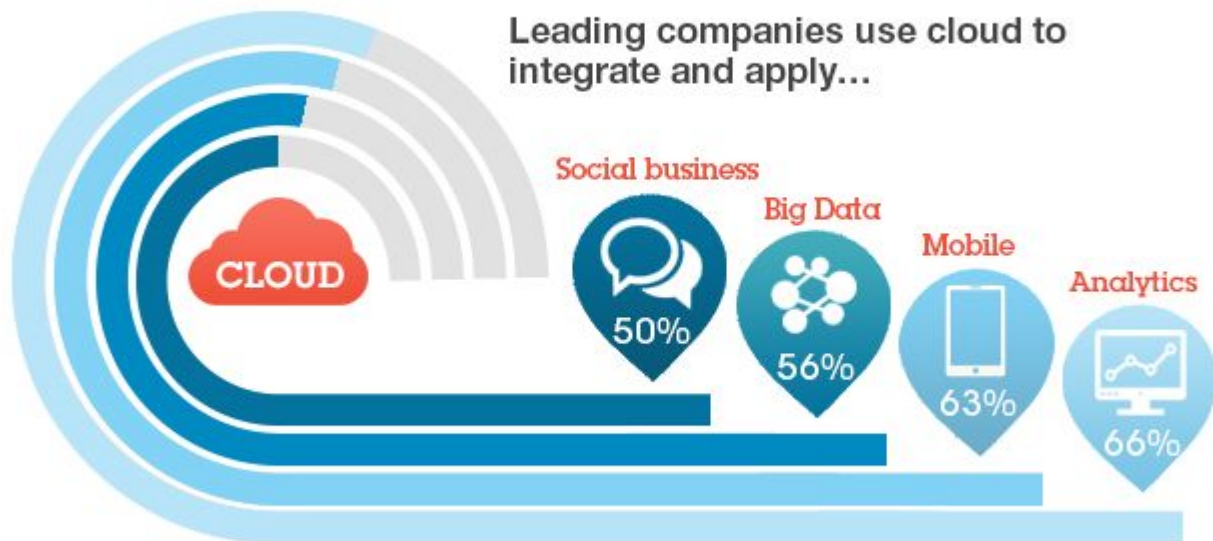
# Why Cloud?





# Why Cloud?

What's at the center of your transformation toolset?



Source: "Under cloud cover: How leaders are accelerating competitive differentiation," an IBM Center for Applied Insights global study involving 802 cloud decision makers and users [ibm.com/bmcai/globalcloudstudy](http://ibm.com/bmcai/globalcloudstudy)

# Why Cloud?



LinkedIn Learning

## The Skills Companies Need Most in 2020



### Top 5 Soft Skills

- 1 Creativity -
- 2 Persuasion -
- 3 Collaboration -
- 4 Adaptability -
- 5 Emotional intelligence new



### Top 10 Hard Skills

- 1 Blockchain new
- 2 Cloud computing -1
- 3 Analytical reasoning -
- 4 Artificial intelligence -2
- 5 UX design -
- 6 Business analysis +10
- 7 Affiliate marketing new
- 8 Sales -
- 9 Scientific computing +3
- 10 Video production -3



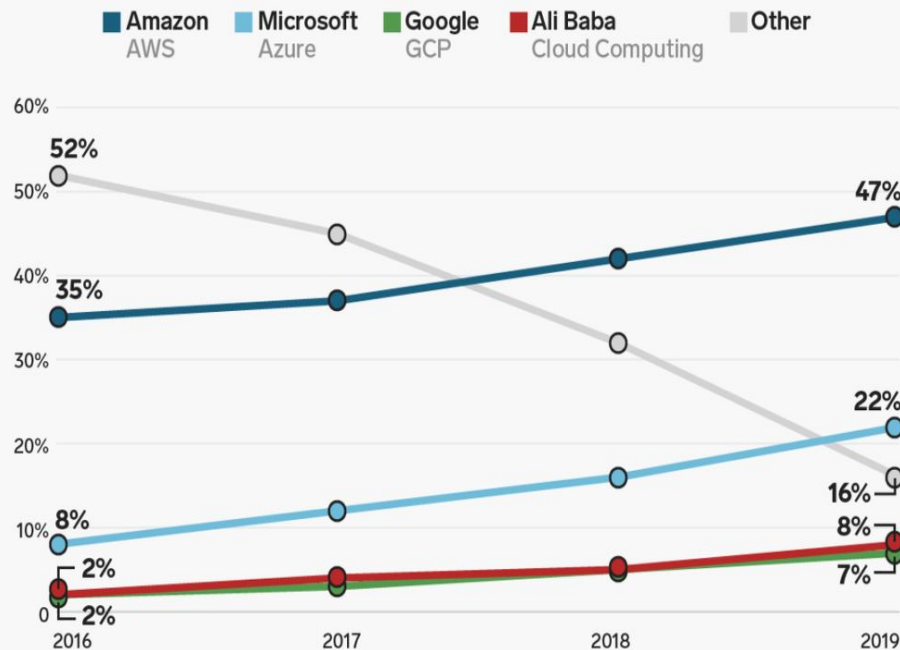
- means that it remains at the same spot as last year.





# Why AWS?

## Public cloud market share

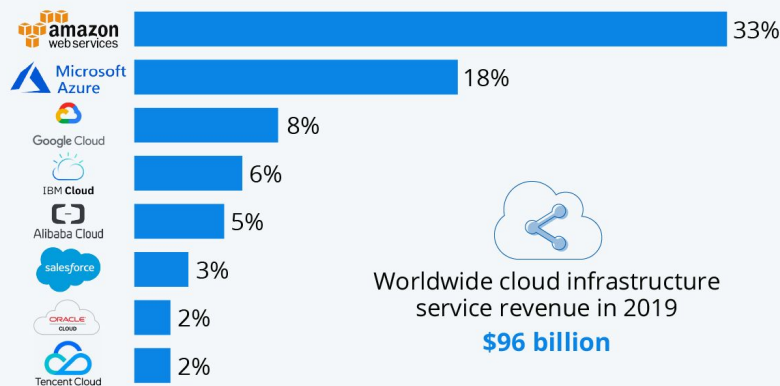


Source: Gartner; Goldman Sachs

Insider Inc.

## Amazon Leads \$100 Billion Cloud Market

Worldwide market share of leading cloud infrastructure service providers in Q4 2019\*



Worldwide cloud infrastructure service revenue in 2019  
**\$96 billion**

\* includes platform as a service (PaaS) and infrastructure as a service (IaaS) as well as hosted private cloud services  
Source: Synergy Research Group

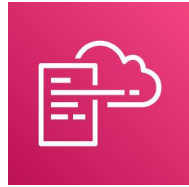


statista

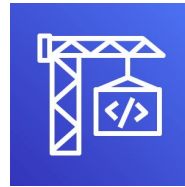
# AWS: What will I learn?



Cloud (AWS)



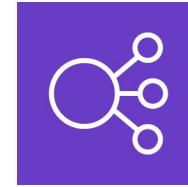
Cloudformation



CodeBuild



Route53



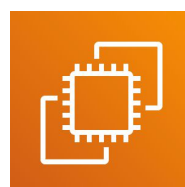
ELB



VPC



S3



EC2



Lambda



EKS



RDS

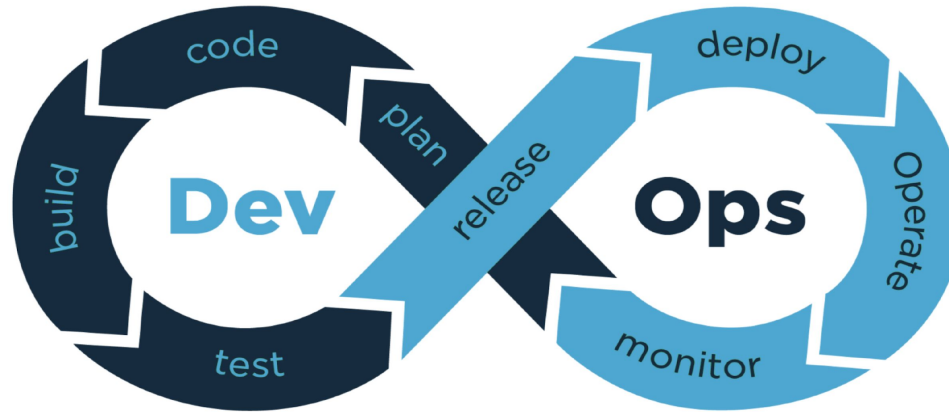


# What is Devops?



DevOps a set of concepts and practices involving both **operations** and **development** engineers, together throughout the entire life cycle of software.

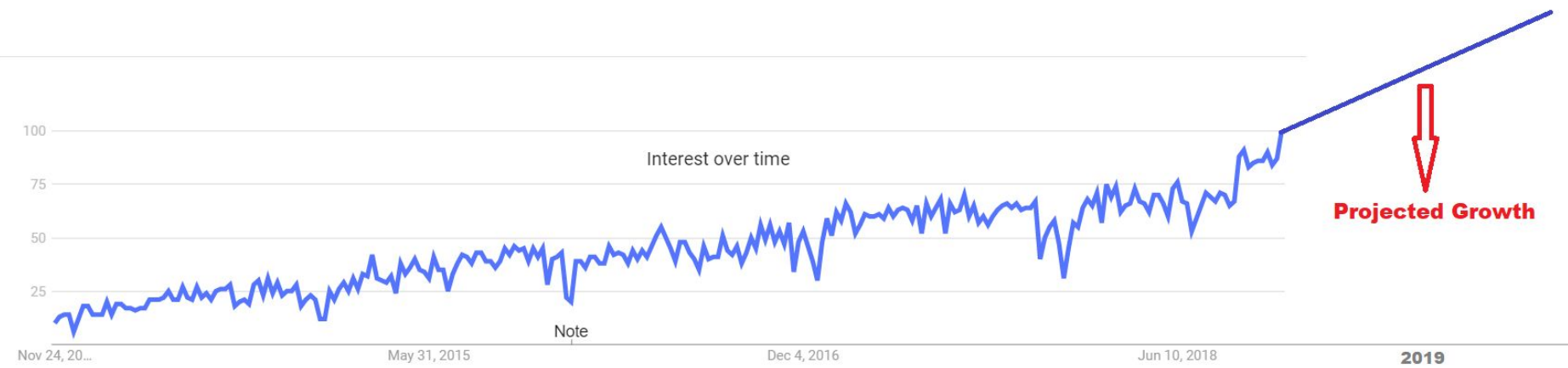
**design stage → the development stage → the production support**



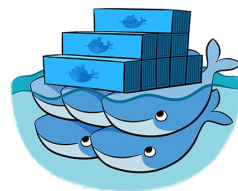
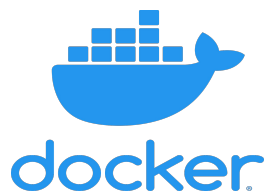


# Why DevOps

DevOps Gets More Exciting in 2019.



# DevOps: What will I learn?



kubernetes

DevOps



Jenkins



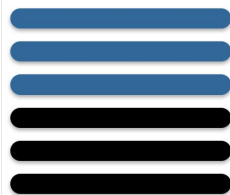
Grafana



Prometheus



ANSIBLE



Sonatype  
Nexus



# AWS - Devops Path Titles

- ▶ Cloud Solutions Architect
- ▶ Solution Consultant
- ▶ SysOps Administrator
- ▶ Cloud Developer
- ▶ Cloud DevOps Engineer
- ▶ DevOps Engineer
- ▶ Platform Engineer
- ▶ Build Engineer
- ▶ Site Reliability Engineer
- ▶ Release Manager



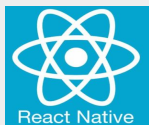
Jr. Python Developer

# Full Stack Developer



A full-stack developer is a programmer who has the basic knowledge for all layers of an application.

## FRONT END



## BACK END



## DATABASES

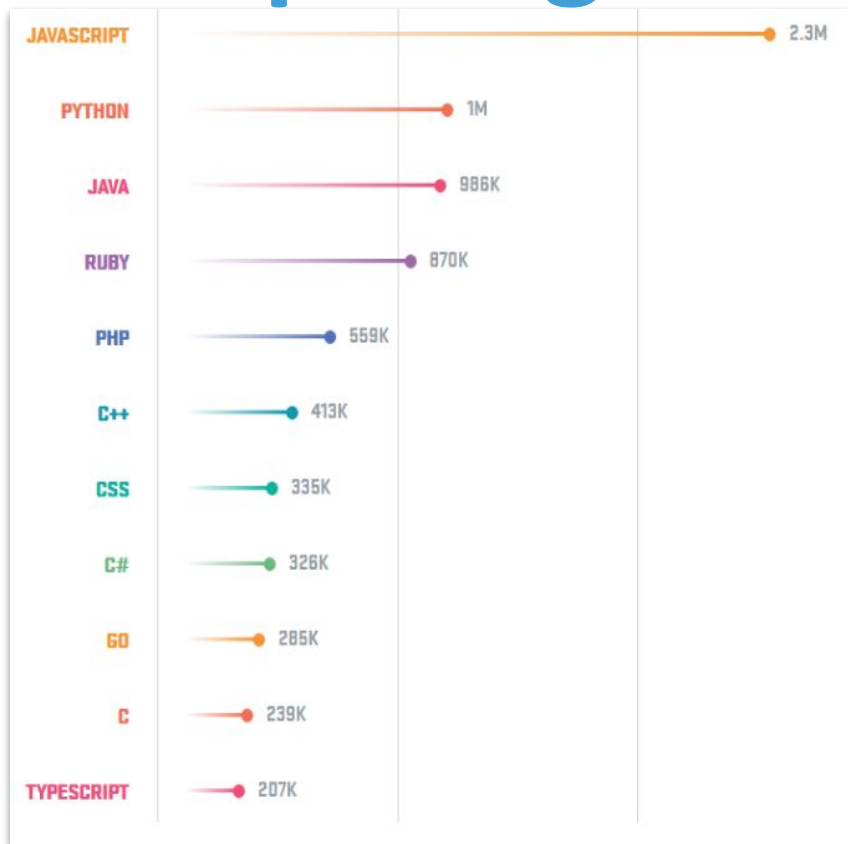


MariaDB

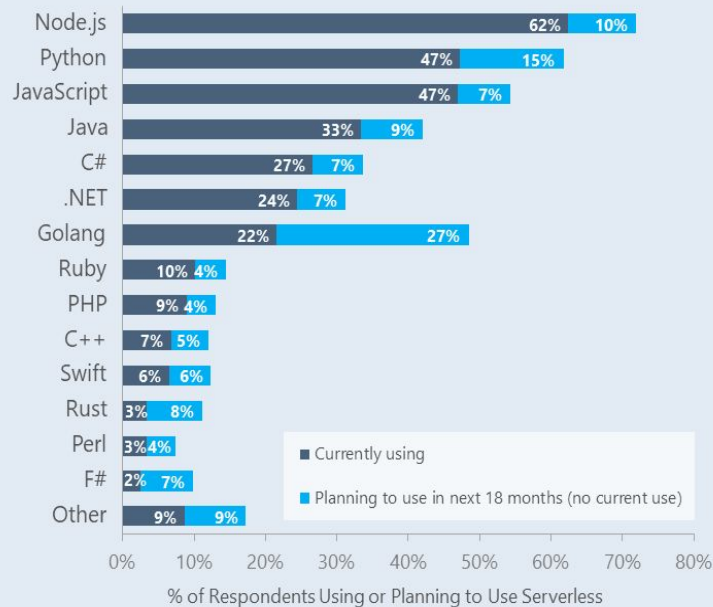


mongoDB

# Top Programming Languages



## Functions Written in Different Languages: Currently and in Next 18 Months



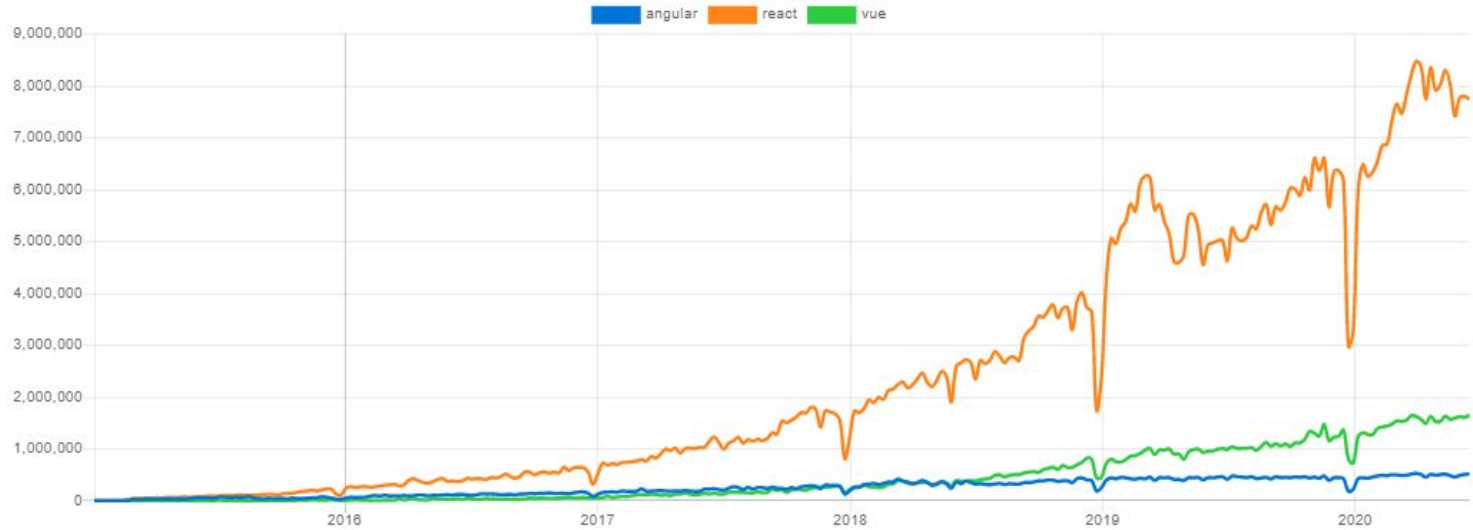
Source: The New Stack Serverless Survey 2018. Q. Which languages do you use or plan to use in the next 18 months when writing functions? n=324.

© 2018 THE NEW STACK

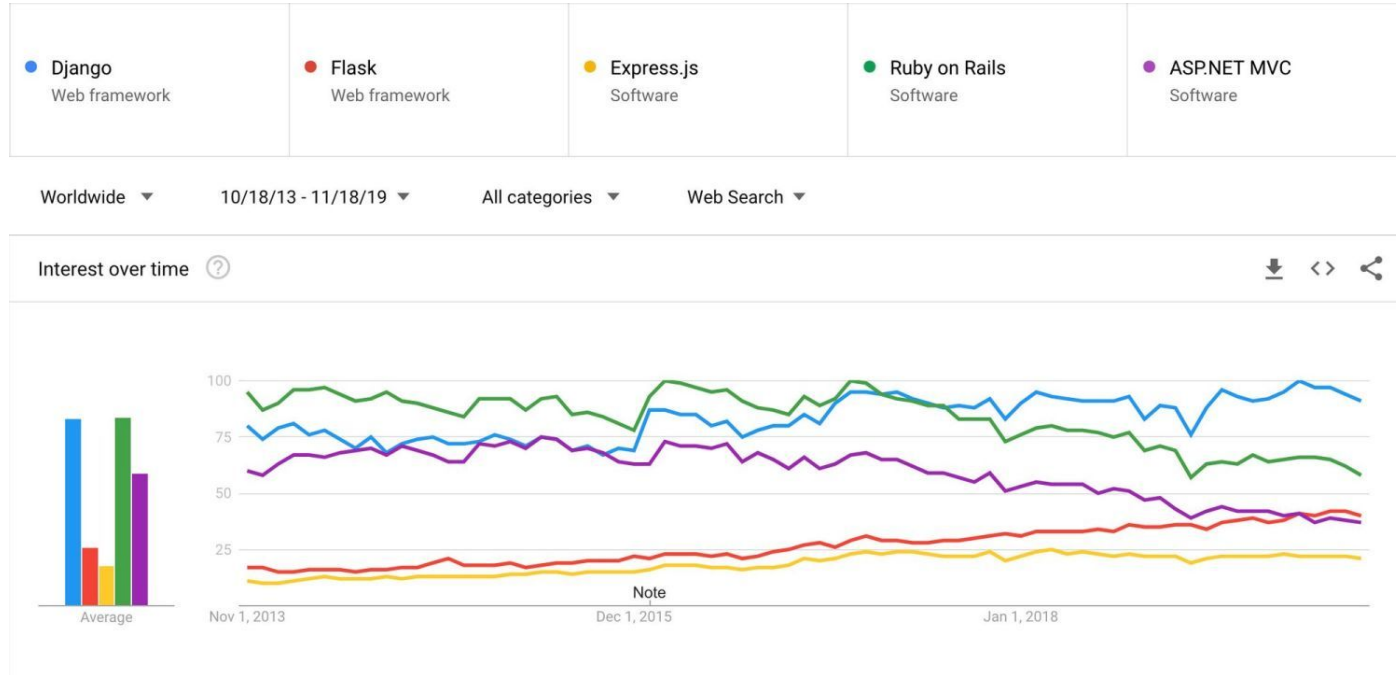
# Front End



Downloads in past All time ▾



# Back End

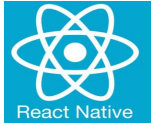
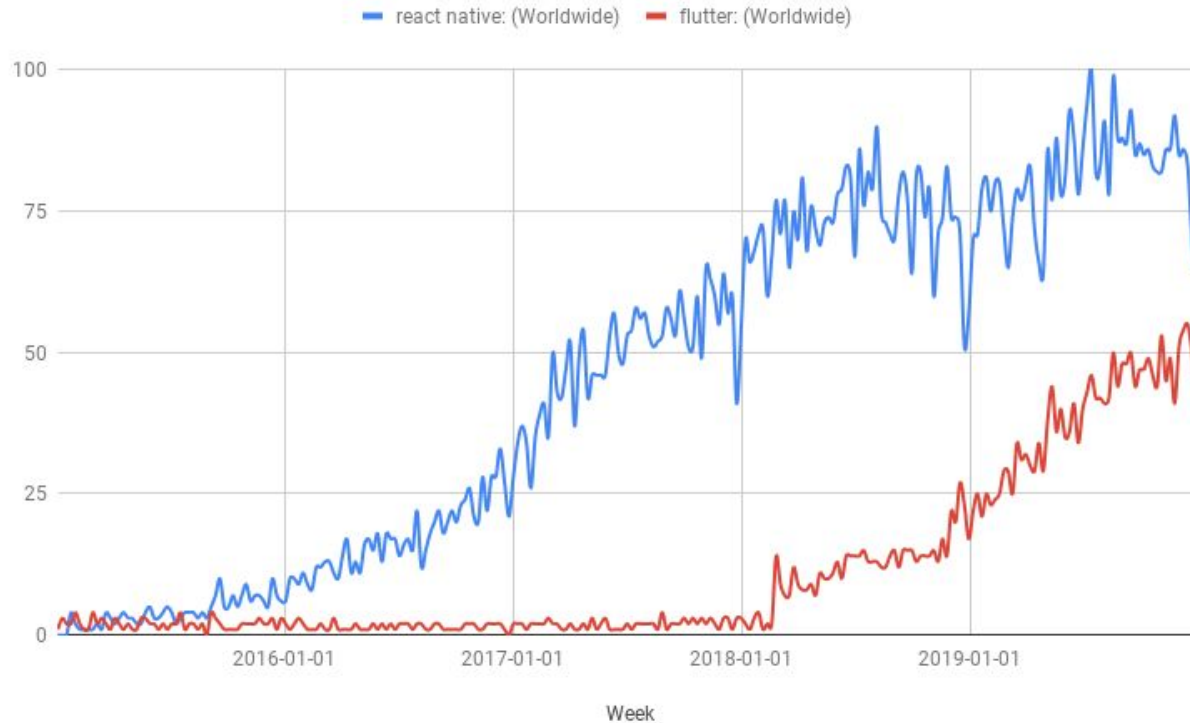




# Mobile Development



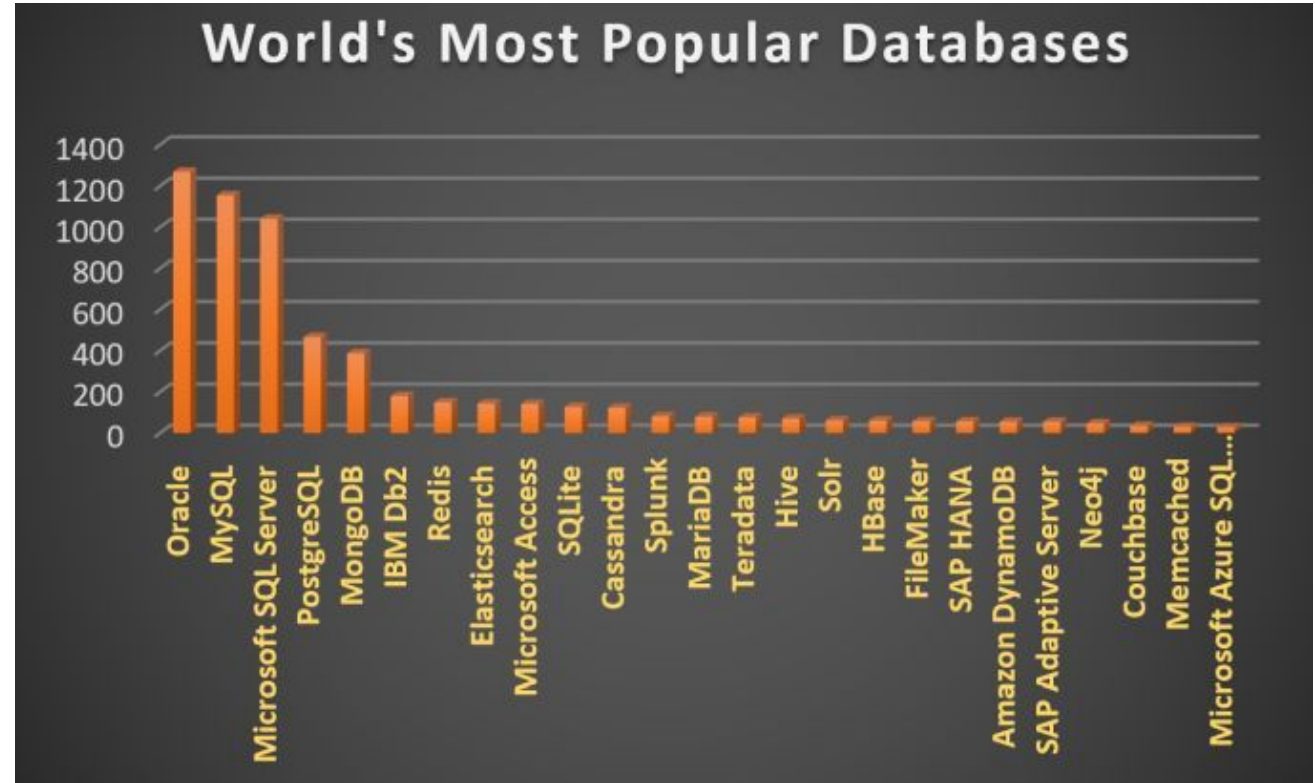
Popularity of React Native vs. Flutter Since 2015



# Database



mongoDB





# Full Stack Path Titles

- ▶ Full Stack Developer
- ▶ Front End Developer
  - React Developer
- ▶ Mobile Developer
  - React Native Developer
- ▶ Back End Developer
  - Python Developer
  - Django Developer
  - Node.js Developer



## 2019's Hottest Jobs

The year's fastest growing job titles determined by PayScale's crowd source..



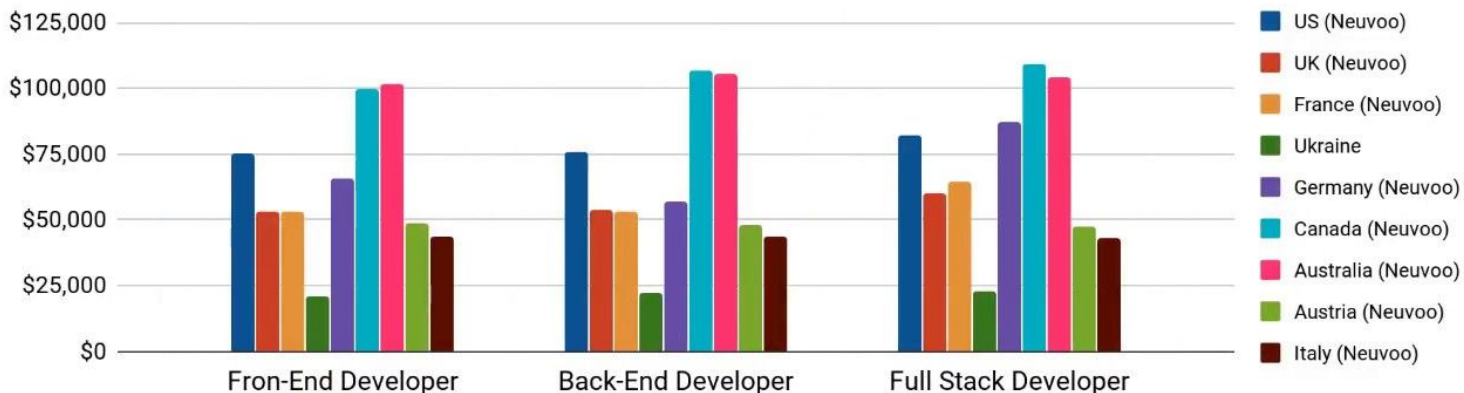


## Take a look how much Full Stack developers earn in different countries:



Ukrainian Development  
Western Management  
Global Delivery

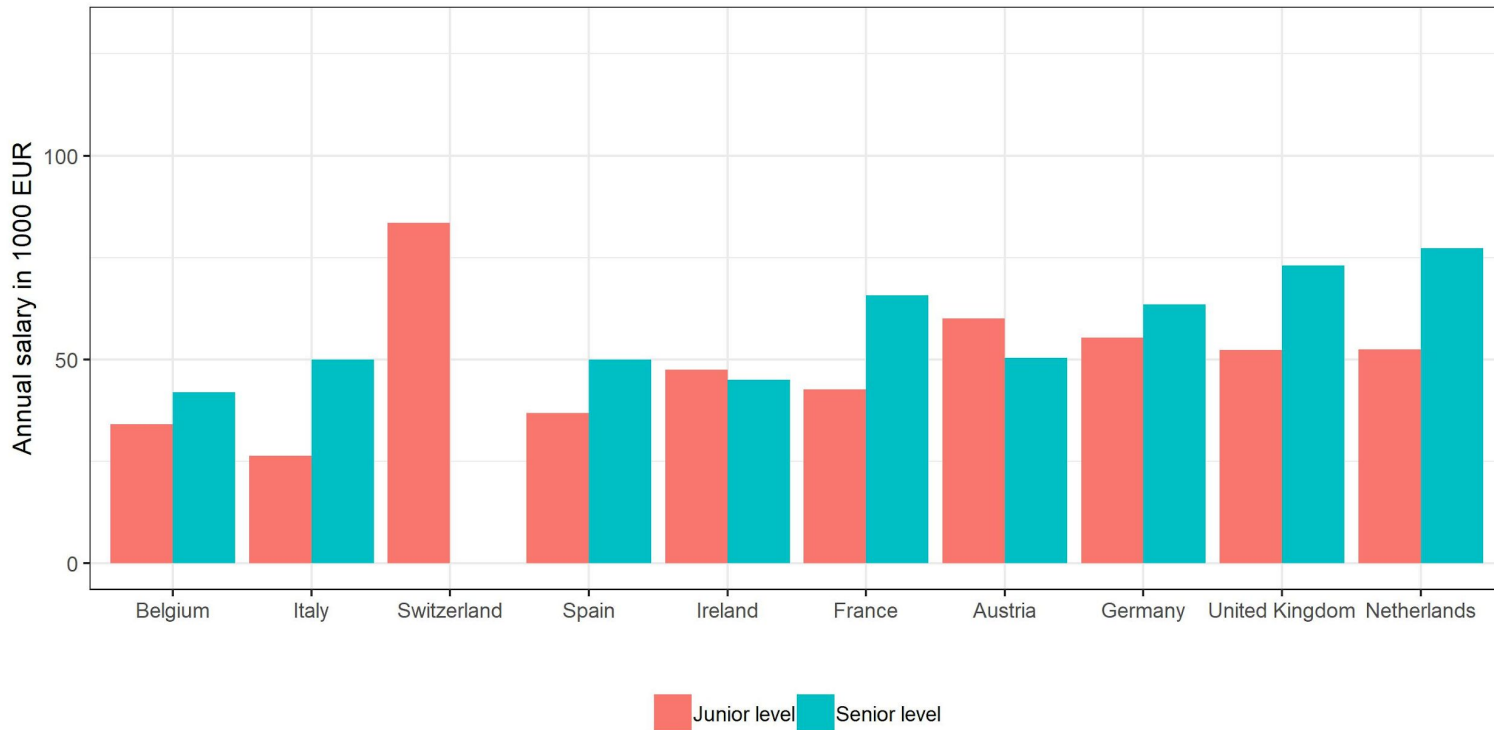
Salary rates for Web Developers in different countries






## DevOps

Annual salaries in EUR

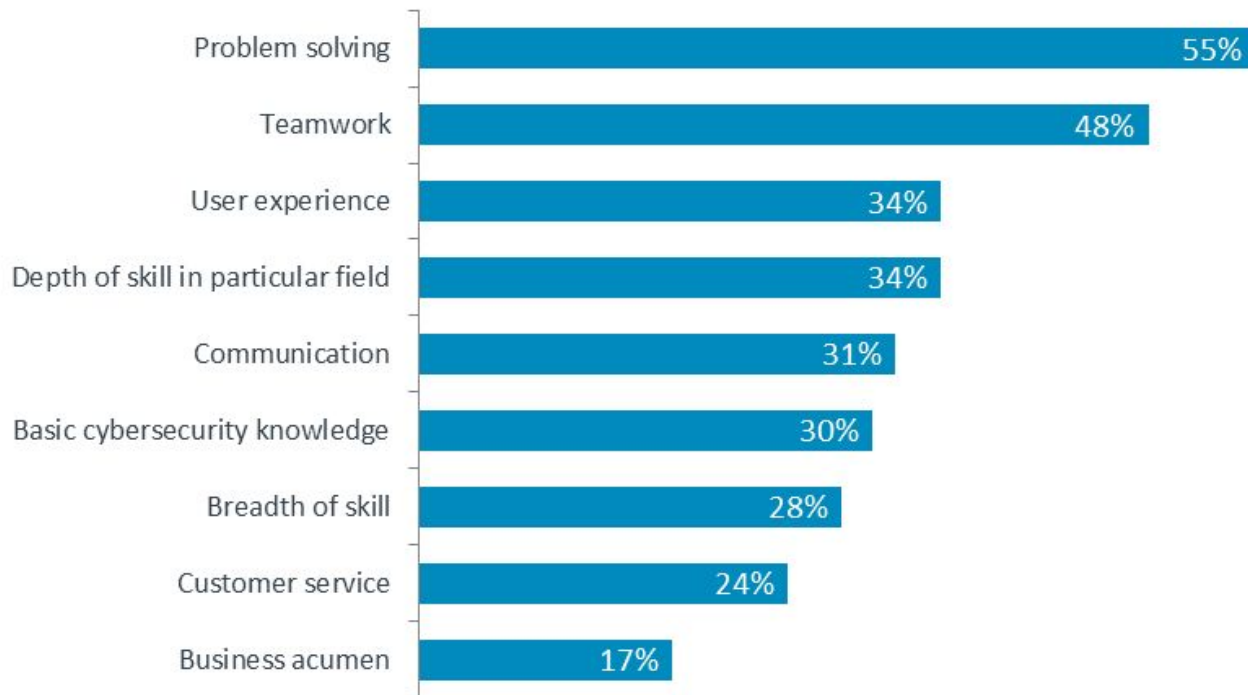




IT Jobs Watch • Tracking the IT Job Market						
<div>  <div> <a href="#">Home</a> <a href="#">UK Job Vacancies</a> <a href="#">WFH</a> <a href="#">CV Upload</a> </div> </div>						
<div> <a href="#">Permanent IT Jobs</a> <a href="#">Contract IT Jobs</a> </div>						
<div> <div>Skills / Job Roles - Comma Separated</div> <div>Job Location</div> <div>Any Category</div> </div>						
<div> <div>Period</div> <div> <input checked="" type="radio"/> 6 months                     <input type="radio"/> 3 months to 26 June 2020                 </div> </div>						
Results 1 - 30 of 8,767						
Skill / Job Role (Historical trends & salary statistics)	Rank 6 Months to 26 Jun 2020	Rank Change Year-on-Year	Median Salary 6 Months to 26 Jun 2020	Median Salary % Change Year-on-Year	Historical Permanent Job Ads	Live Job Vacancies
Agile Software Development	1	0	£57,500	+4.54%	23,380 (29.26%)	2,219
Developer	2	0	£52,500	+5.00%	22,895 (28.66%)	3,154
Finance	3	+1	£65,000	+8.33%	16,243 (20.33%)	1,302
JavaScript	4	+1	£52,500	+5.00%	14,652 (18.34%)	1,893
SQL	5	-2	£50,000	+1.34%	14,635 (18.32%)	1,275
Azure	6	+5	£57,500	-	13,941 (17.45%)	1,666
Microsoft	7	-1	£50,000	+11.11%	12,754 (15.96%)	1,630
C#	8	-1	£50,000	-	12,143 (15.20%)	1,440
AWS	9	+6	£65,000	-	11,397 (14.27%)	1,344
Java	10	-2	£65,000	+8.33%	11,382 (14.25%)	1,001
.NET	11	-2	£51,500	+3.00%	11,332 (14.18%)	1,333
Python	12	+4	£65,000	+8.33%	10,337 (12.94%)	1,276
Windows	13	-3	£45,000	+9.75%	9,904 (12.40%)	881



## Skills IT Managers Are Looking for When Hiring







# THANKS!

