



Most Popular Languages

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EXECUTIVE SUMMARY



- This presentation uses the Stack Overflow 2019 Developer survey to predict what languages and databases would be beneficial for the average programmer to learn. This report focus is on the top 10 for each language and uses the top 10 highest average salaries.

INTRODUCTION



- What Technologies should developers learn to keep up with current trends in the field?
- The goal of this presentation is to present some trends and possible technologies that increased in popularity from 2019 to 2020 based on the Stack Overflow 2019 Developer Survey.

METHODOLOGY



- This report is based of the Stack Overflow Developer Survey from 2019 data subset.
- The survey had 88,883 responses from 179 countries around the world.
- This is the number of responses we consider “qualified” for analytical purposes based on time spent on the full, completed survey; another approximately 400 responses were submitted but not included in the analysis because respondents spent less than three minutes on the survey.

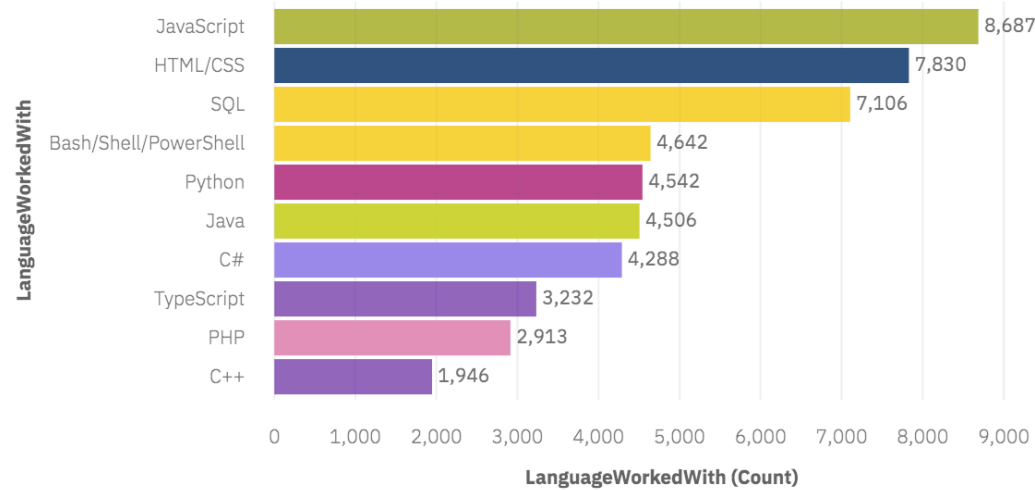
RESULTS

- The Fastest growing language with the highest average salary is Python making it a very good candidate for programming language to learn. The most popular language with the a top salary is Java Script which is also an excellent choice for programming language to learn.
- The Fastest growing Database to Learn is Redis making it a great option to learn if you are looking for a Database.

PROGRAMMING LANGUAGE TRENDS

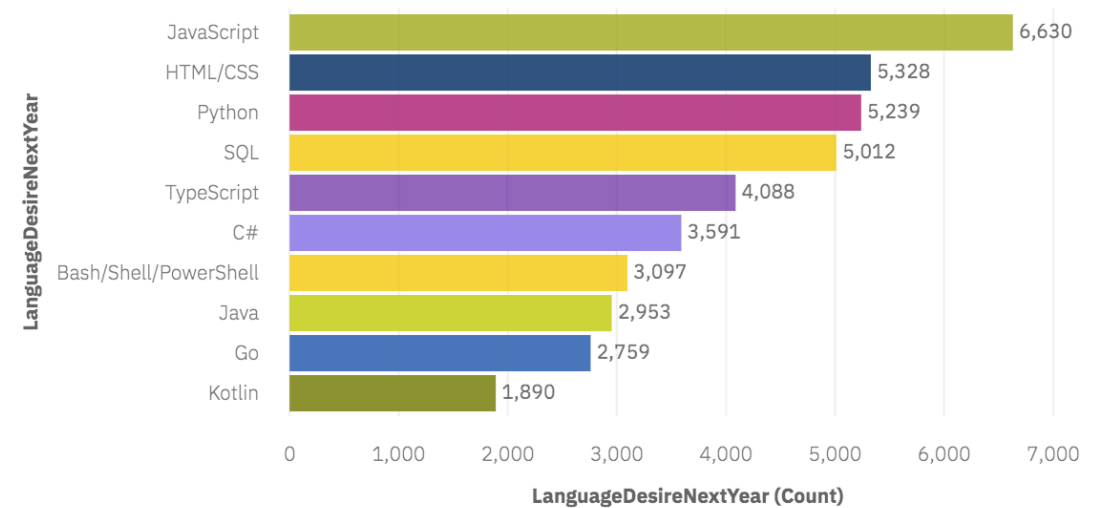
Current Year

Top 10 Language Used



Next Year

Top 10 Desired Languages



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Python Large increase
- Swift not in top 10 for either
- Bash and PHP dropping

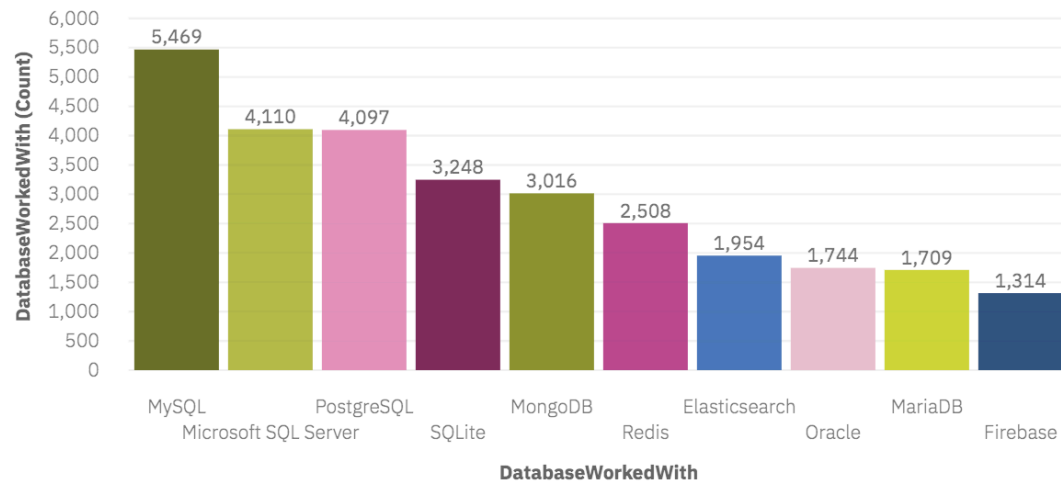
Implications

- Increase of Python popularity combined with its status as the second highest paying average salary makes it a great language to learn
- Swift is not in the top 10 for both years despite its large average pay
- Bash, and PHP decrease in posting could be a sign of moving away from those languages.

DATABASE TRENDS

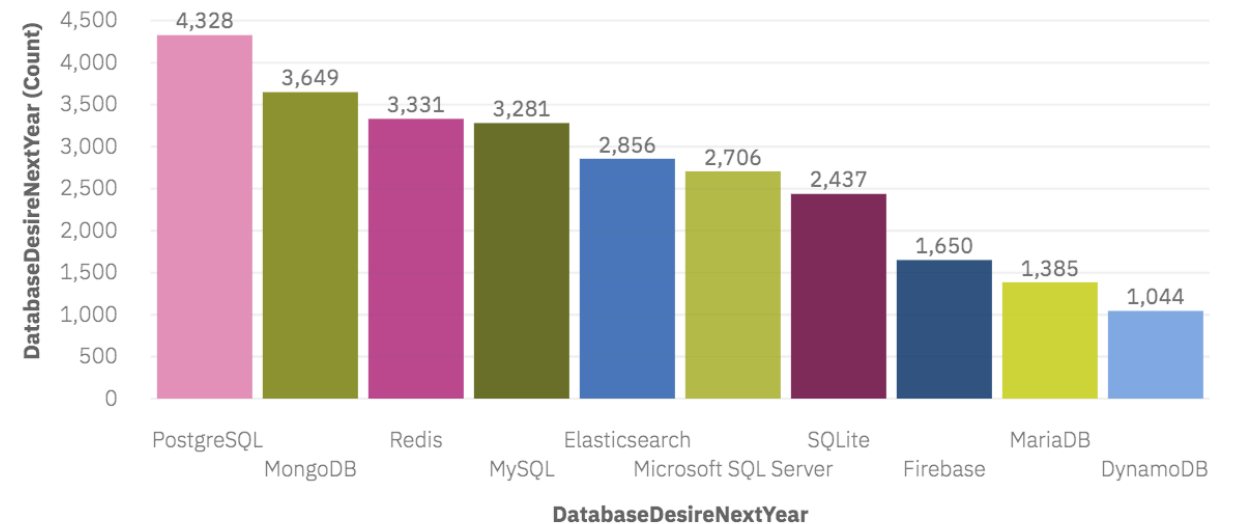
Current Year

Top 10 Database Used



Next Year

Top 10 Desired Databases



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- PostGRE, Mongo, and Redis are rising quickly
- Redis has the largest jump in the top 10
- Oracle drops from 7th of the top 10

Implications

- Learning PostGRE, Mongo, or Redis will be beneficial
- Redis is still mid of the pack but is showing good growth
- Oracle may to be worth learning in the future

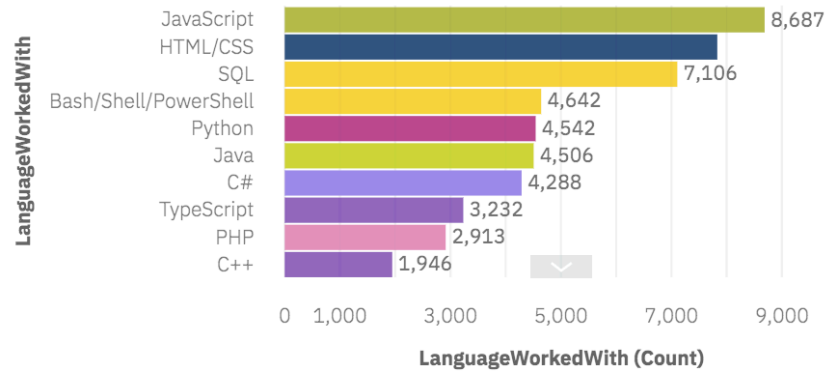
DASHBOARD LINK



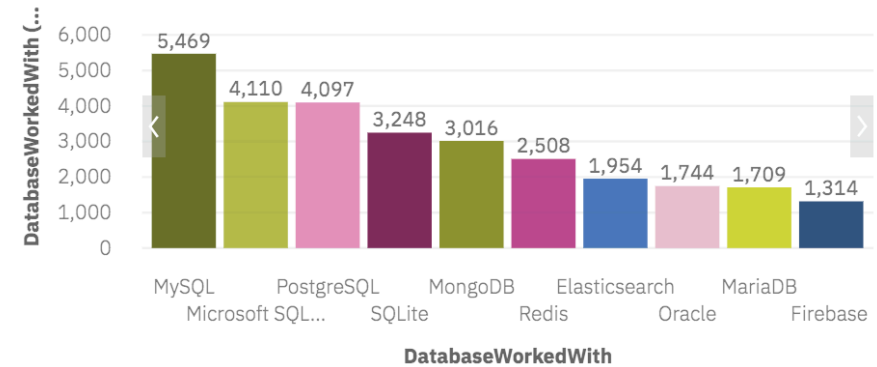
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DASHBOARD TAB 1

Top 10 Language Used



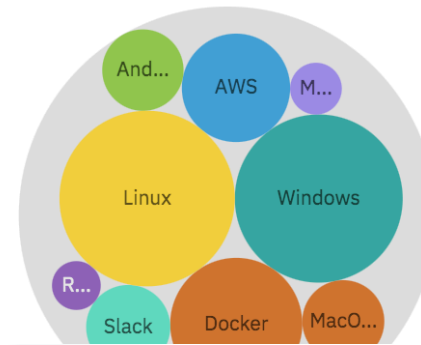
Top 10 Database Used



Platforms Used

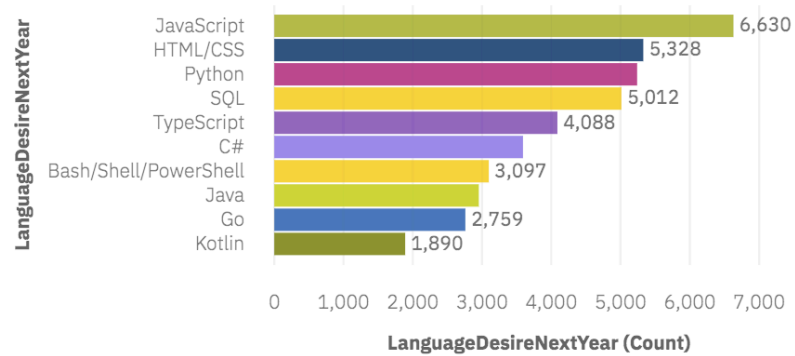


Top 10 Web Frames Used

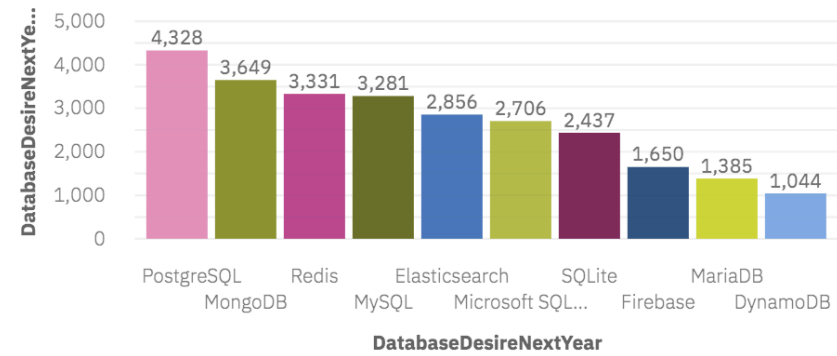


DASHBOARD TAB 2

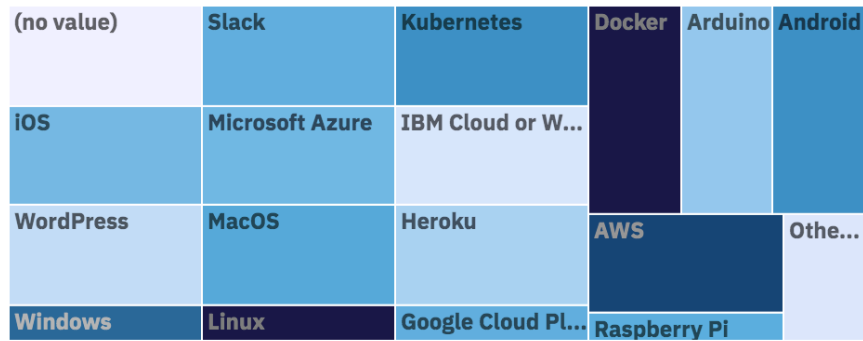
Top 10 Desired Languages



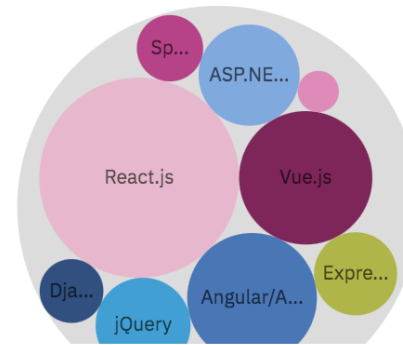
Top 10 Desired Databases



Desired Platforms

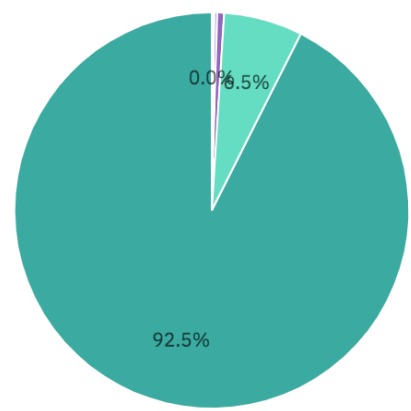


Top 10 Desired Web Frames

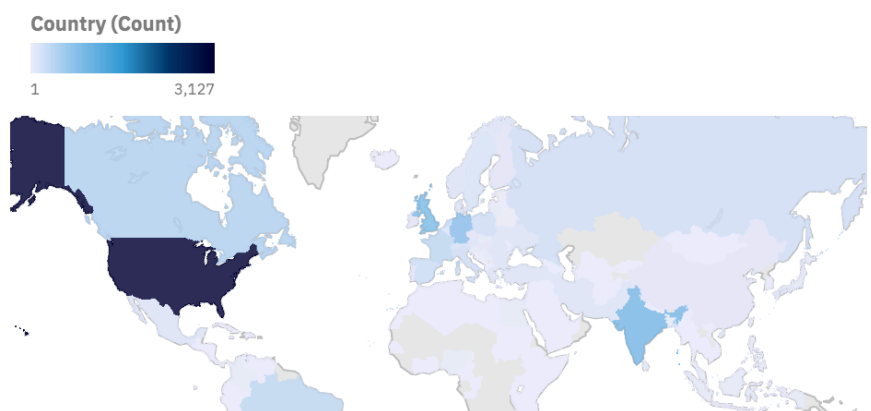


DASHBOARD TAB 3

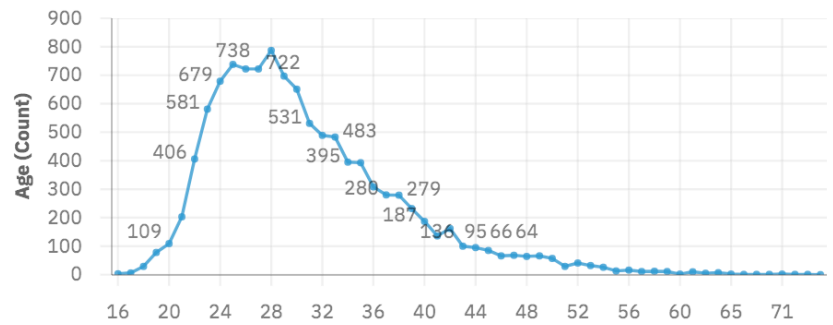
Respondents Gender



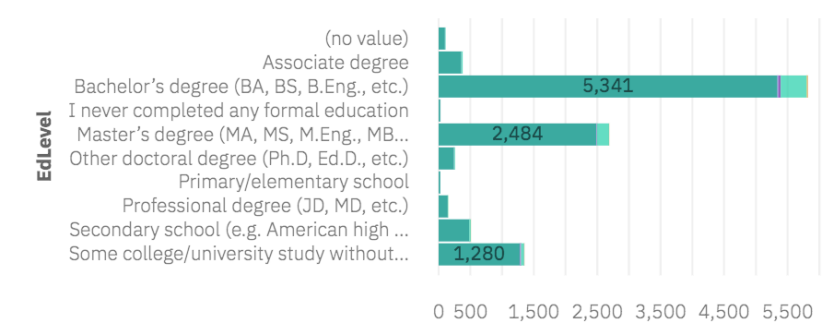
Respondents Gender



Respondents Age



Respondents Education Level



DISCUSSION



- The fastest growing Technologies would be the best place new Developers to start which would be Python, and Redis
- Javascript is the safe bet as it is the top language and holds that title for the next year.

OVERALL FINDINGS & IMPLICATIONS

Findings

- Javascript is top and will remain top next year
- Python is showing good growth
- Redis is showing good growth

Implications

- Javascript is the safest bet for a new developer looking to learn a language
- Python growth makes it a great option for someone not looking to work for a few more years
- Redis and PostgreSQL are the two to watch for Databases

CONCLUSION



- Javascript is your best bet if your looking for work as soon as possible
- Python's growth makes it worth learning as it may overthrow Javascript in the coming years
- PostgreSQL looks to be replacing MySQL as top of Databases
- Redis is showing good growth and may be worth learning for the future.

POPULAR LANGUAGES



JOB POSTINGS

