TECHNOLOGY TRENDS AND ANALYSIS PRESENTATION

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OUTLINE

- Executive Summary
- Introduction
- Methodology
- Results
  - Visualization – Charts
  - Dashboard
- Discussion
  - Findings & Implications
- Conclusion
- Appendix

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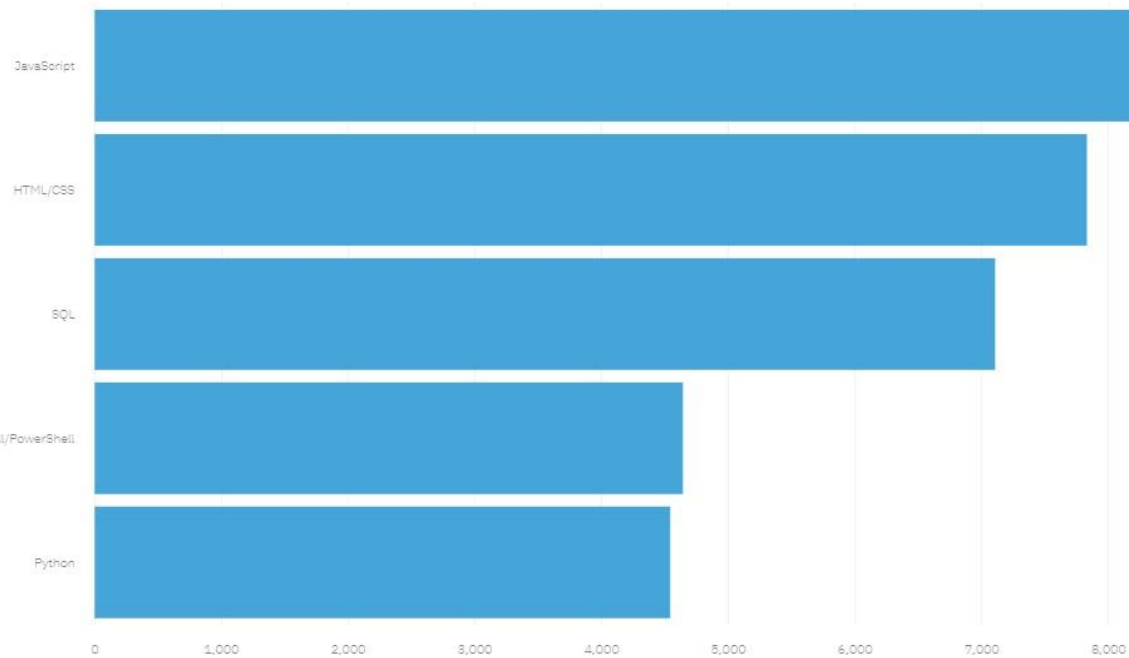
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EXECUTIVE SUMMARY

- JavaScript, HTML 5, and Python are widely popular, in demand languages

- SQL is necessary to work with popular DBs like MongoDB and PostgreSQL

- The popularity of web languages and database languages imply heavy demand in these sectors

- Better to know multiple languages than a single language

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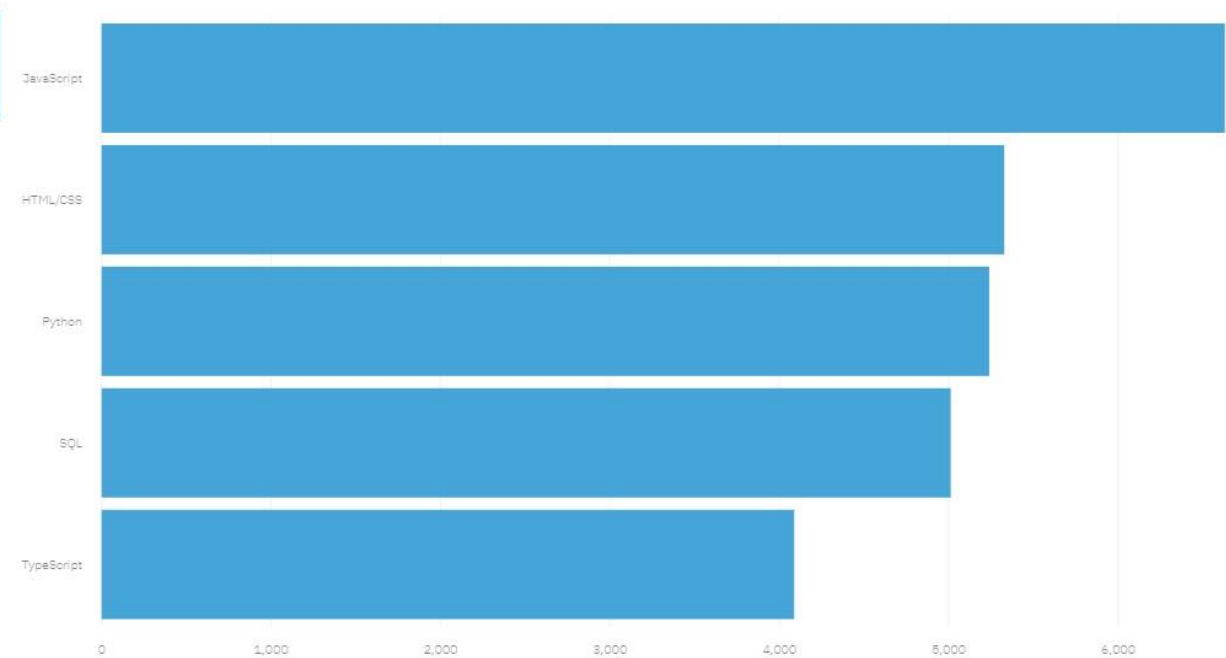SKILLS NETWORK

PROGRAMMING LANGUAGE TRENDS

Current Year

Top 5 Languages

Next Year

Top 5 Languages

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PROGRAMMING LANGUAGE TRENDS – FINDINGS & IMPLICATIONS

Findings

- JavaScript, HTML 5 & Python continue to be popular

- SQL decreases in popularity, but remains high
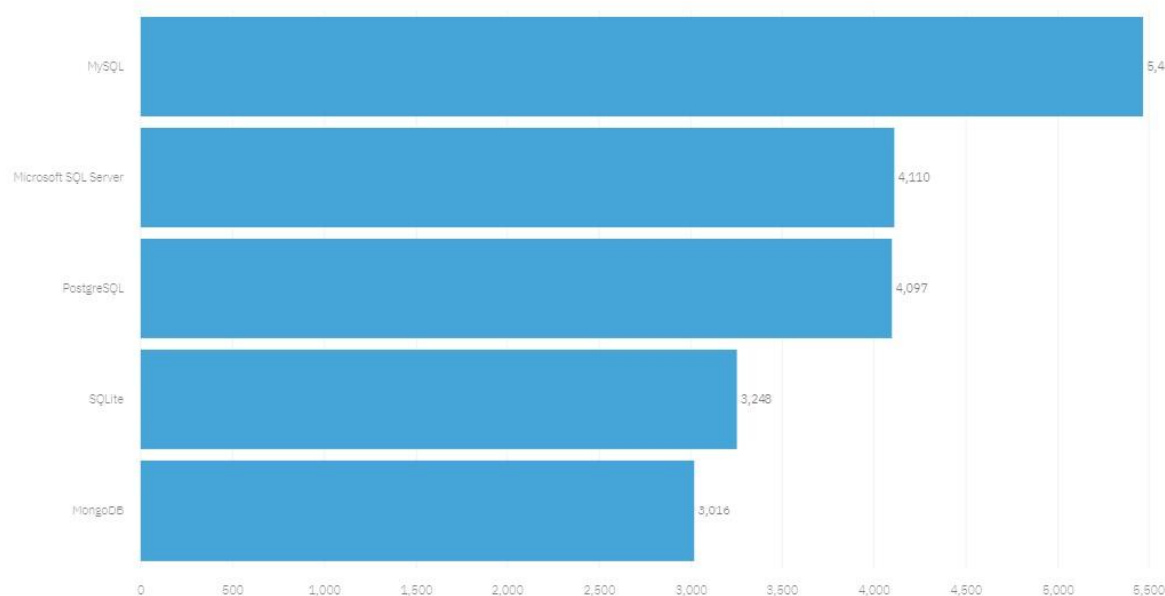
- Bash/Shell/PowerShell drops

Implications

- Greater demand for JavaScript, HTML 5, and Python programmers

- Bash/Shell/PowerShell decreases in use

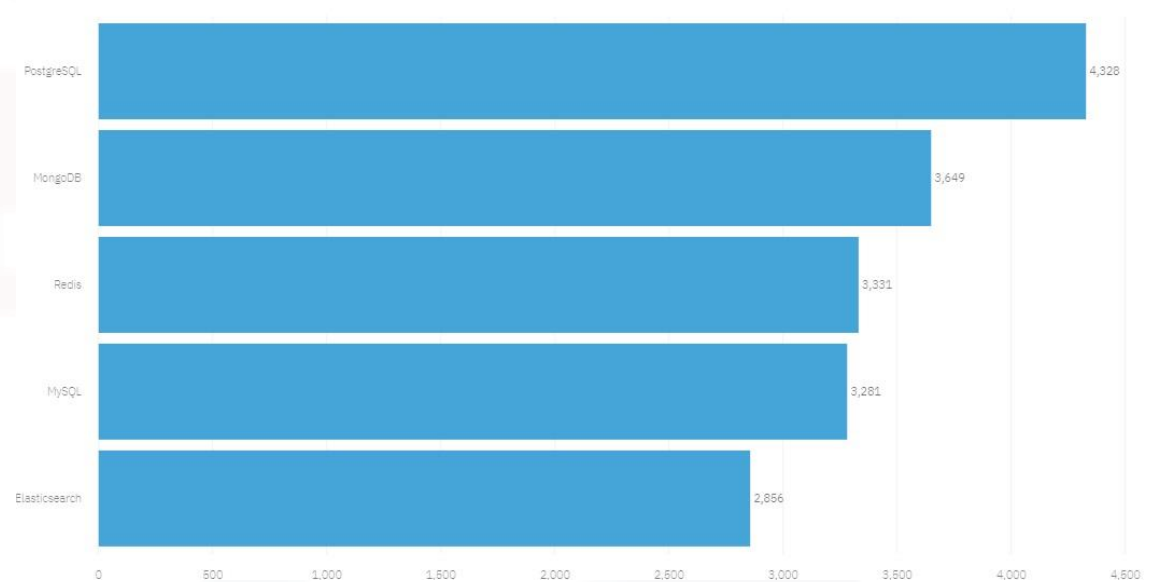- SQL potentially saturated market – remains useful language

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DATABASE TRENDS

Current Year

Next Year

Top 5 Databases (Current Year)

Database	Value
MySQL	5,469
Microsoft SQL Server	4,110
PostgreSQL	4,097
SQLite	3,248
MongoDB	3,016

Top 5 Databases (Next Year)

Database	Value
PostgreSQL	4,328
MongoDB	3,649
Redis	3,331
MySQL	3,281
Elasticsearch	2,856

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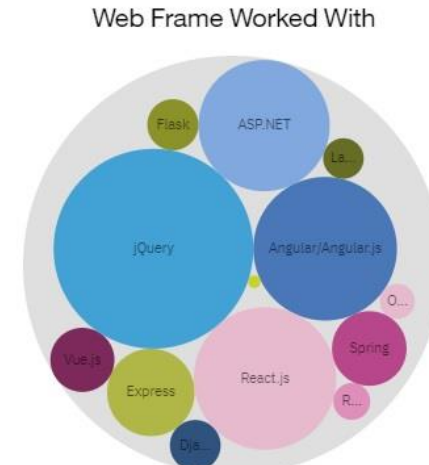SKILLS NETWORK

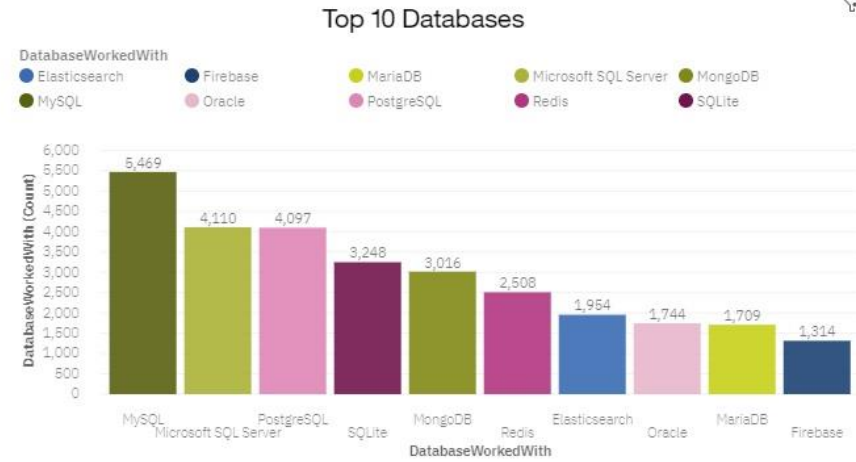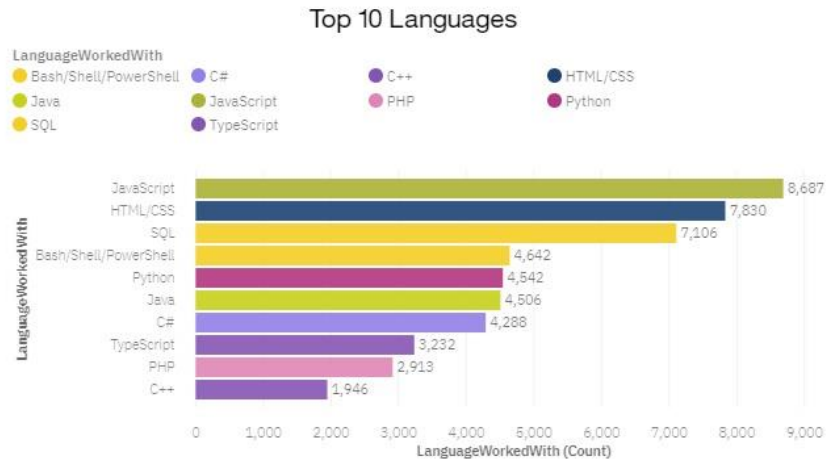# DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MySQL decrease in popularity
- PostgreSQL increase in popularity
- MongoDB increase in popularity

Implications

- MySQL demand is likely lower
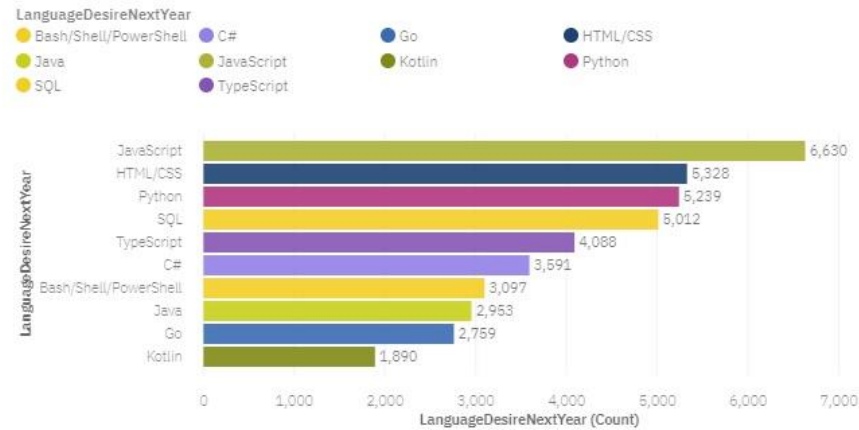- PostgreSQL and MongoDB likely to be future in-demand languages

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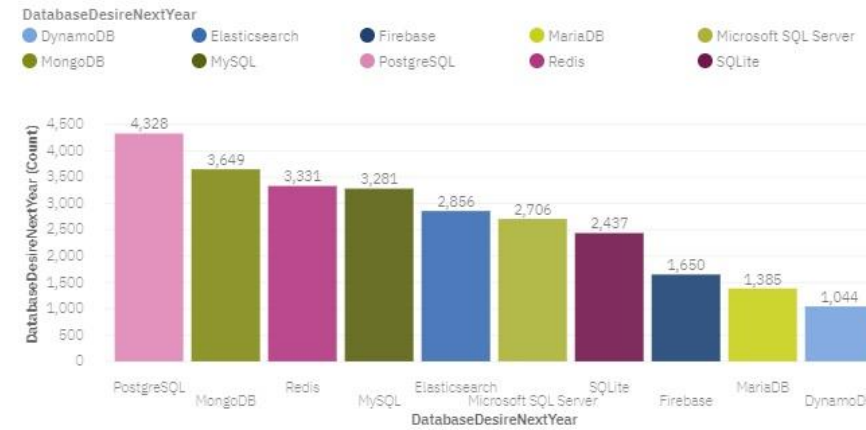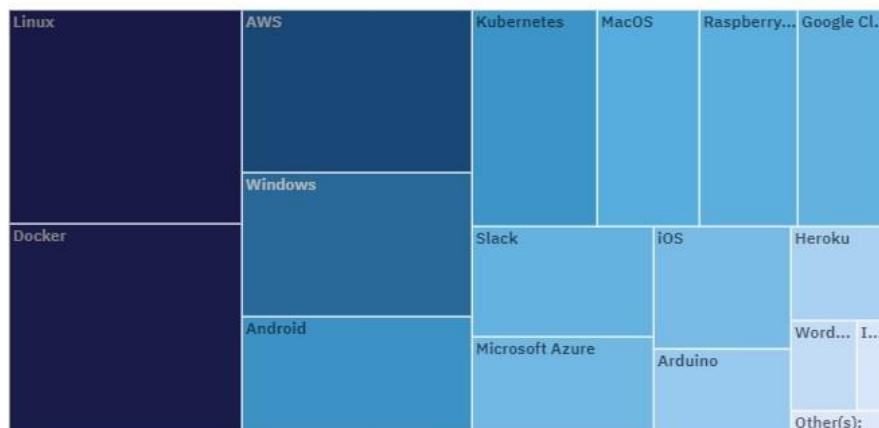
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DASHBOARD TAB 1

Top 10 Languages

Top 10 Databases

Platforms Worked With

Web Frame Worked With

DASHBOARD TAB 2

Top 10 Languages Desired

LanguageDesireNextYear
- Bash/Shell/PowerShell
- C#
- Go
- HTML/CSS
- Java
- JavaScript
- Kotlin
- Python
- SQL
- TypeScript

	Count
JavaScript	6,630
HTML/CSS	5,328
Python	5,239
SQL	5,012
TypeScript	4,088
C#	3,591
Bash/Shell/PowerShell	3,097
Java	2,953
Go	2,759
Kotlin	1,890

Top 10 Databases Desired

DatabaseDesireNextYear
- DynamoDB
- Elasticsearch
- Firebase
- MariaDB
- Microsoft SQL Server
- MongoDB
- MySQL
- PostgreSQL
- Redis
- SQLite

	Count
PostgreSQL	4,328
MongoDB	3,649
Redis	3,331
MySQL	3,281
Elasticsearch	2,856
Microsoft SQL Server	2,706
SQLite	2,437
Firebase	1,650
MariaDB	1,385
DynamoDB	1,044

Platforms Desired Next Year

Linux, Docker, AWS, Windows, Android, Kubernetes, MacOS, Slack, Microsoft Azure, Raspberry..., Google Cl..., iOS, Arduino, Heroku, Word..., I..., Other(s):

Web Frame Desired Next Year

Spring, O..., ASP.NET, Ru..., React.js, Vue.js, L..., Django, Angular/Angular.js, Express, jQuery, Flask