POPULAR TOOLS & TECHNOLOGY AMONG DEVELOPERS

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OUTLINE

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

EXECUTIVE SUMMARY

- Point1
- Point2
    - Sub Point 1
    - Sub Point 2
    - Sub Point 3
- Point3
- Point4
- Point5

INTRODUCTION

- Point1

- Point2

- Point3

- Point4
  - Sub Point1
  - Sub Point2

METHODOLOGY

- Data Collection
  - Web Scrapping
  - APIs

- Data Pre-Processing
  - Data Cleaning

- Exploratory Data Analysis
  - Analyzing data distribution
  - Handling outliers
  - Checking Correlation

- Building Dashboard
  - Sub Point1
  - Sub Point2

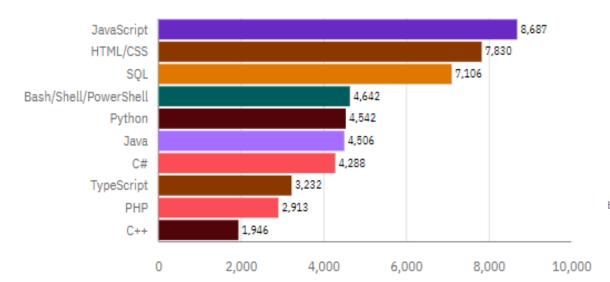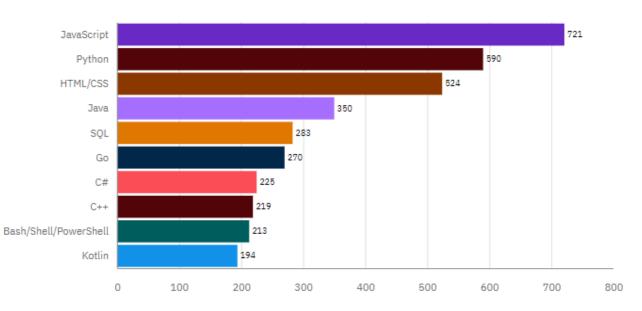# RESULTS

PROGRAMMING LANGUAGE TRENDS

Current Year

Next Year

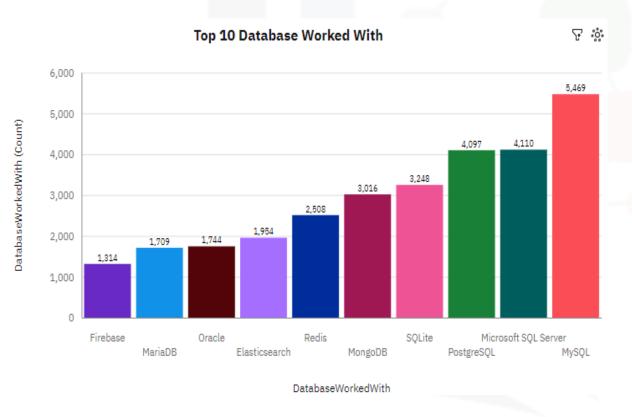# PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- JavaScript is most popular language
- HTML/CSS & SQL are the important tools
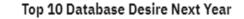- Python is gaining popularity

Implications

- Typescript language is gaining popularity and more people are shifting towards it.

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DATABASE TRENDS
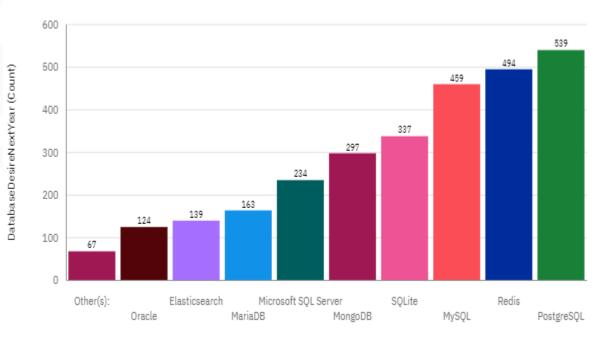
Current Year

Next Year

DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MySQL is the most commonly used database
- PostgreSQL & Redis is gaining popularity

Implications

- PostgreSQL is most desired language to learn due to its advance features and scalability

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DASHBOARD

https://github.com/rksin8/IBM-Data-Analyst-Capstone-Project/blob/main/dashboard/Task%206.pdf

CURRENT TECHNOLOGY USAGE

Top 10 Language Worked With

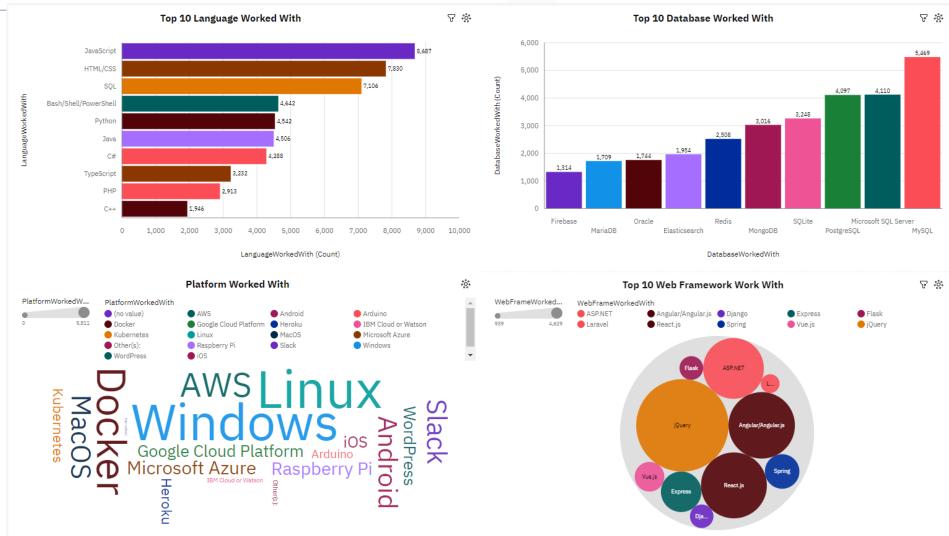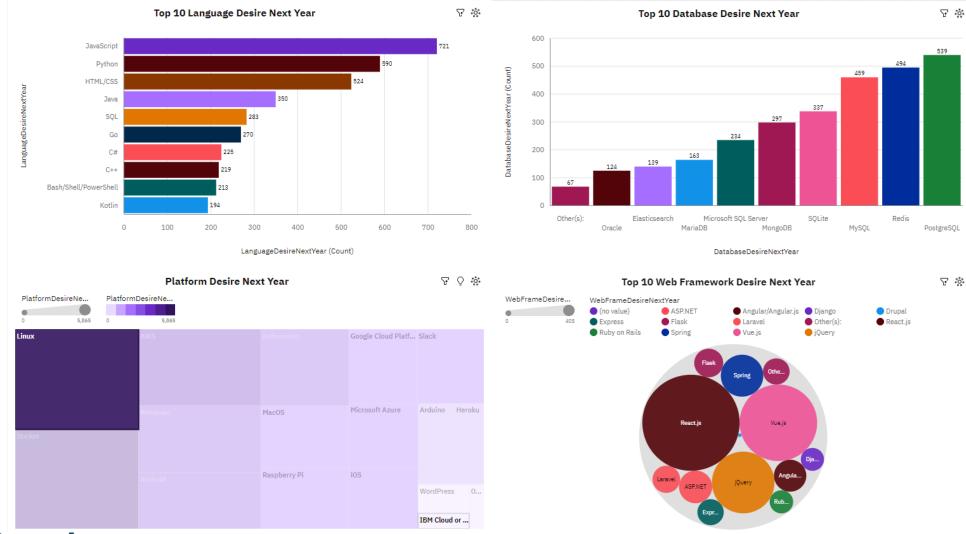| Language	Count
JavaScript	8,687
HTML/CSS	7,830
SQL	7,106
Bash/Shell/PowerShell	4,642
Python	4,542
Java	4,506
C#	4,288
TypeScript	3,232
PHP	2,913
C++	1,946

LanguageWorkedWith (Count)

Top 10 Database Worked With

Database	Count
Firebase	1,314
MariaDB	1,709
Oracle	1,744
Elasticsearch	1,954
Redis	2,508
MongoDB	3,016
SQLite	3,248
PostgreSQL	4,097
Microsoft SQL Server	4,110
MySQL	5,469

DatabaseWorkedWith

Platform Worked With

PlatformWorkedW... 0 — 6,811

PlatformWorkedWith
- (no value)
- AWS
- Android
- Arduino
- Docker
- Google Cloud Platform
- Heroku
- IBM Cloud or Watson
- Kubernetes
- Linux
- MacOS
- Microsoft Azure
- Other(s):
- Raspberry Pi
- Slack
- Windows
- WordPress
- iOS

Top 10 Web Framework Work With

WebFrameWorked... 939 — 4,629

WebFrameWorkedWith
- ASP.NET
- Angular/Angular.js
- Django
- Express
- Flask
- Laravel
- React.js
- Spring
- Vue.js
- jQuery

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FUTURE TECHNOLOGY TREND

Top 10 Language Desire Next Year

Top 10 Database Desire Next Year

Platform Desire Next Year

Top 10 Web Framework Desire Next Year
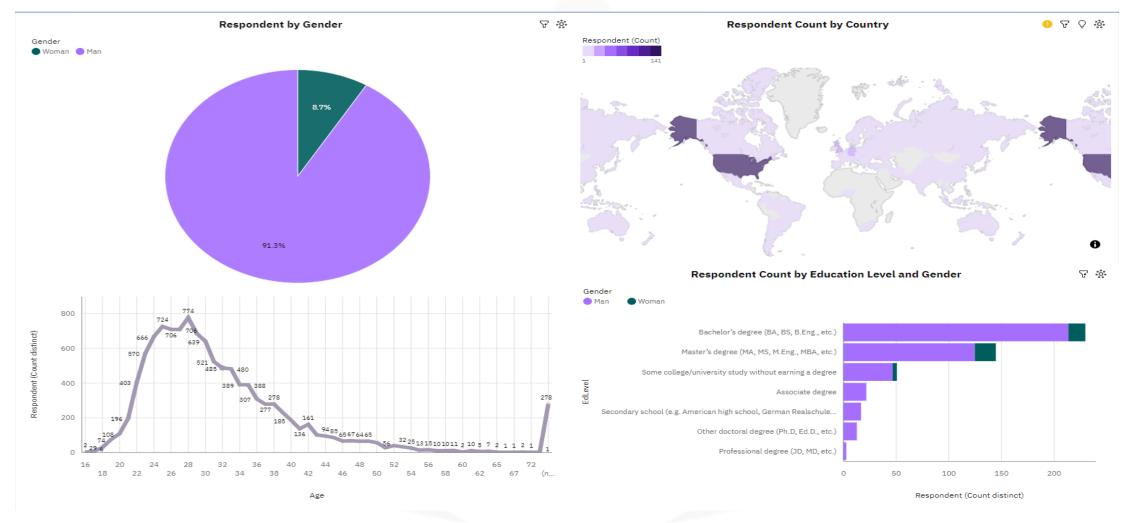
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DEMOGRAPHICS

DISCUSSION

OVERALL FINDINGS & IMPLICATIONS

Findings

- Python & JavaScript is gaining popularity among developers
- Over 90% developers are male and age between 20-30
- Majority of developers have formal college or university education

Implications

- Technology is shifting towards more typescript language like JavaScript, Python.
- Formal education is not mandatory for developers

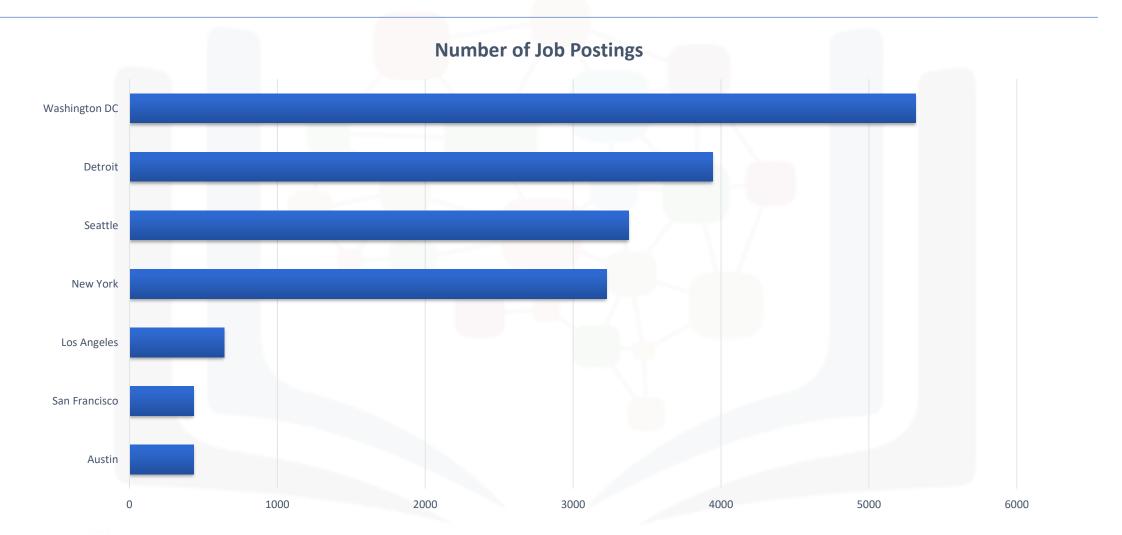IBM **Dev**oloper

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CONCLUSION

- Developers from diverse regions and backgrounds reflect the global technology trends

- Programming languages and technologies change rapidly

- Keeping up with trends in programming languages, platforms, and tools is essential.

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APPENDIX

- Job postings.
- Popular Languages

POPULAR LANGUAGES