

EMERGING SKILL ANALYSIS

Data-Driven Insights for Future IT Requirements



OUTLINE



- Executive Summary
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- Discussion
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EXECUTIVE SUMMARY



Web-based languages and technologies are the most used and desired.

JavaScript stands out as the most popular programming language due to its versatility and widespread use in web development. HTML/CSS, as the foundational technologies for building and styling web pages, play a crucial role in front-end development.



Python: the fastest-growing major programming language.

Python has risen in the ranks of programming languages in our survey, edging out Java this year.



The trend of cloud development is evidently shifting towards.

Linux is once again the most loved platform for development, with both Docker and Kubernetes also highly loved this year. Many developers say they want to start developing using Docker and AWS.

INTRODUCTION

Problems Defining In the constantly evolving IT industry

IT trends matter the most.



The Goal

What are the technological needs of the world and the demands of the developers?



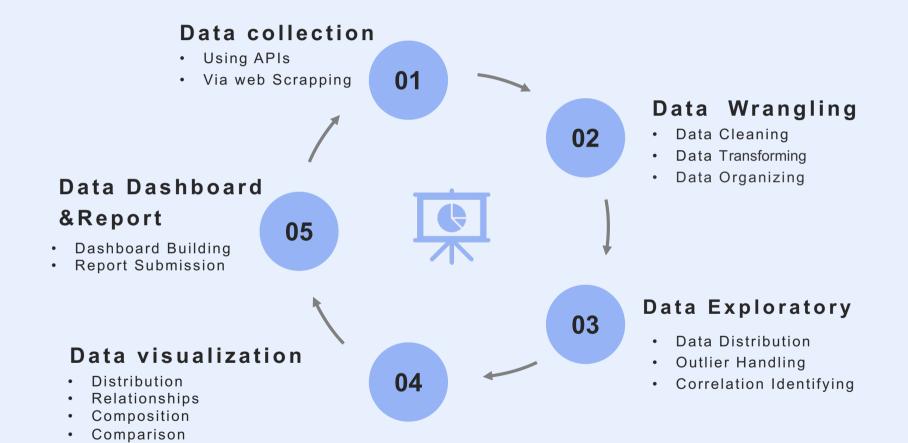
Solid Background

02

Stack Overflow's annual Developer Survey is the largest and most comprehensive survey of people who code around the world.

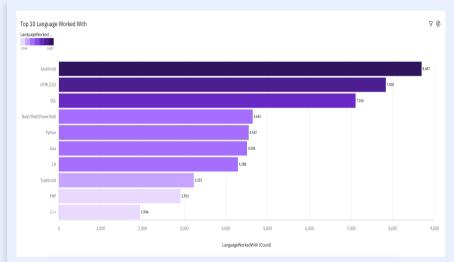


METHODOLOGY



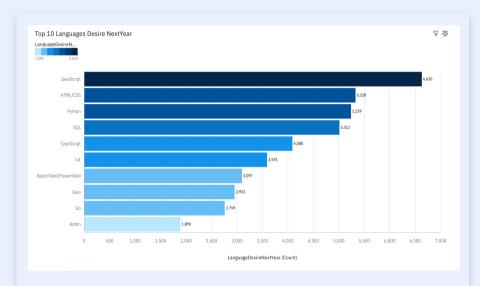


RESULTS-Language Trend



Currently

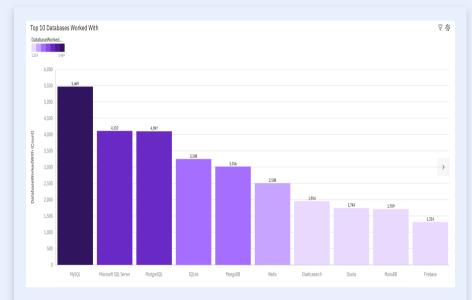
- JavaScript seems to keep as leading language.
- Python fastest-growing.
- Great interest in TypeScript



Next Year

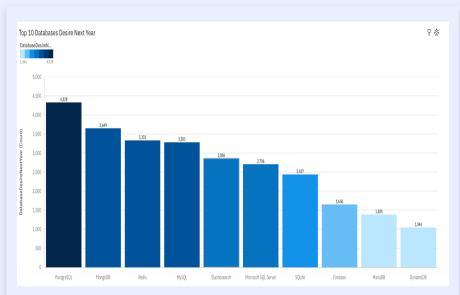
- PHP, Java, and C# are seen as outdated and require more effort, leading to their decline in usage.
- Go & Kotlin: Easier Alternatives to C

RESULTS-Database Trend



Currently

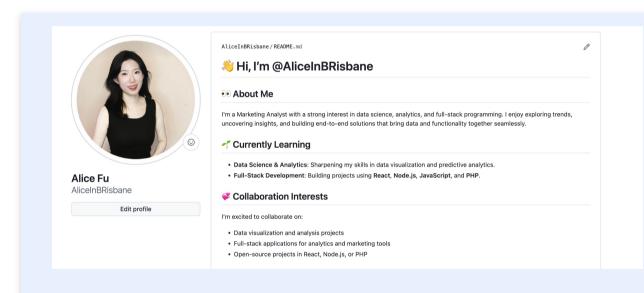
- MySQL: The most popular database.
- Microsoft SQL Server & SQLite: Declining interest.
- PostgreSQL & MongoDB: Gaining popularity.



Next Year

- Microsoft SQL Server & SQLite: Losing market share.
- PostgreSQL & MongoDB: Gaining market foothold.

DASHBOARD



TERE COURSER

https://github.com/AliceInBRisbane/Job_Market_Analysis/blob/main/Job%20Market%20Analysis%20Dashboard.pdf

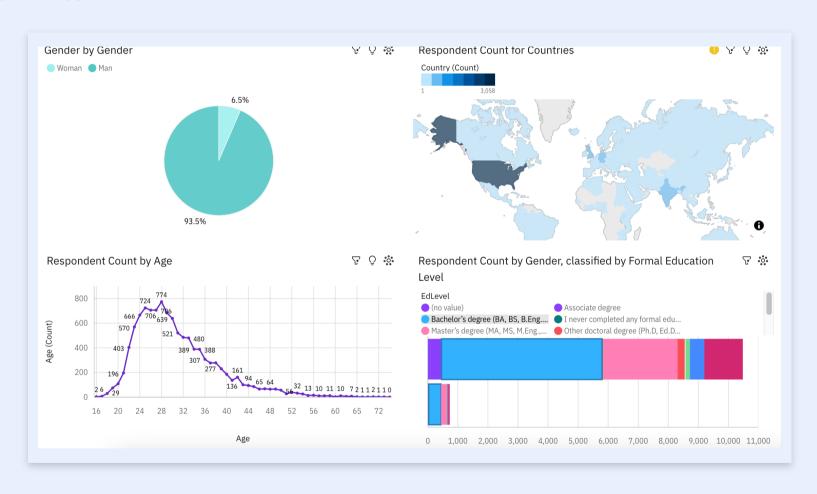
DASHBOARD CURRENT TECHNOLOGY USAGE



DASHBOARD FUTURE TECHNOLOGY USAGE



DASHBOARD DEMOGRAPHICS



DISCUSSION

FINDINGS

- Majority male, aged 22-32, from developed English-speaking nations.
- · Key job factor: Languages & technologies.
- · JavaScript widespread, TypeScript rising.
- Python: High salaries, abundant jobs, driving desire.

IMPLICATIONS

Young Developers' Preferences

- Tendency for new tech: Youth Developers show desire for new languages and technologies.
- Job choice influence: Developers choose jobs based on tech, influencing employer choices.

Tech Trends and Demographics

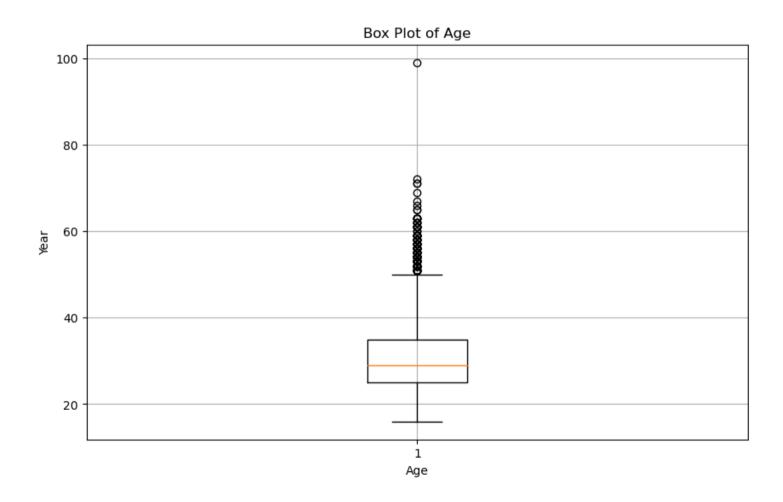
- JavaScript & TypeScript rise: Gaining popularity among developers.
- Global polarization: Noticeable differences in developer location and gender.
- Education level: Majority of young developers lack postgraduate studies.

CONCLUSION

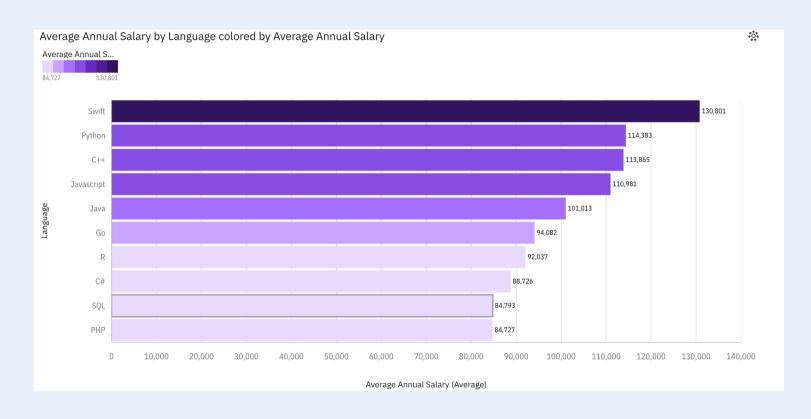
FINDINGS

- Developers have distinct characteristics that set them apart.
- By examining popularity trends of various tools, platforms, and languages, one can gain insight into what is currently in demand.
- Additionally, there is a need to improve accessibility to this job market for individuals in developing countries.

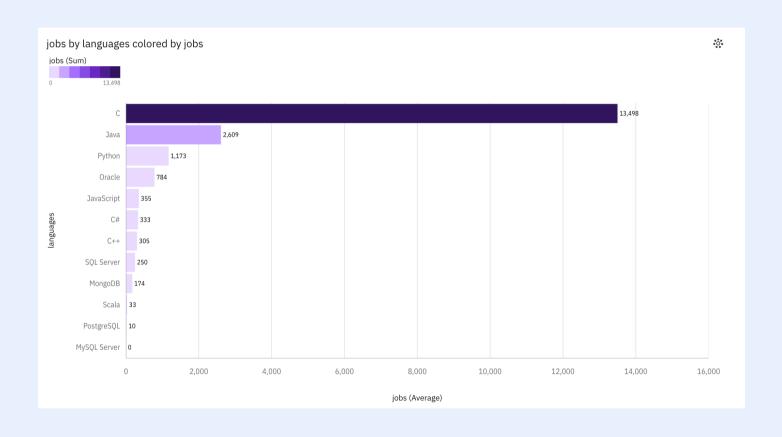
APPENDIX



APPENDIX



APPENDIX



SOURCE

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- 3.Stack Overflow. (2019, February). Annual Developer Survey, 2019. Retrieved November, 2024 from https://insights.stackoverflow.com/survey?_ga=2.177616038.2076724704.1713048265-654320079.1713048265

