



Investing in Tomorrow: Empowering BayuuTech's Developers

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OUTLINE



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EXECUTIVE SUMMARY



- Problem
 - BayuuTech wants to help their developers grow professionally
- Solutions
 - Invest in learning and development opportunities
 - Adopt the latest technologies
- Implementing proposed solutions will:
 - Contribute to overall growth and competitiveness
 - Attract and retain top talent
 - Make better informed decisions regarding technology investments

INTRODUCTION



- This report shares the programming language and database trends of developers and recommendations to support company growth.
- All BayuuTech stakeholders would benefit from reading this report.
- Delving into this report will help one understand the preferences of GlobalTech's developers and how those preferences can lead to increased company success.

METHODOLOGY



Data for this report was collected via survey distributed to all BayuuTech developers

RESULTS

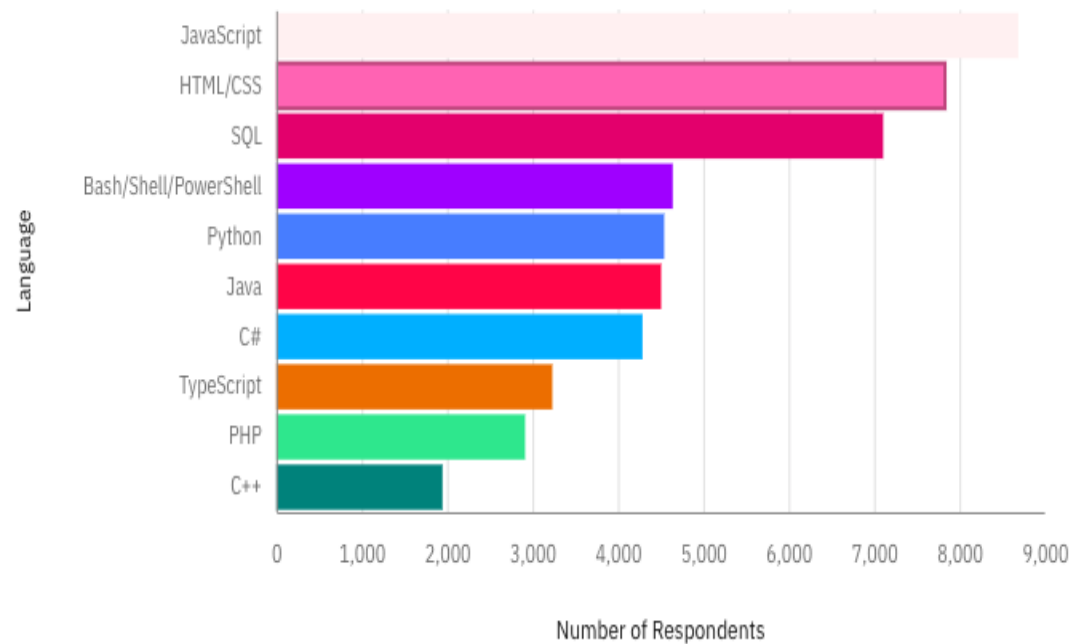


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PROGRAMMING LANGUAGE TRENDS

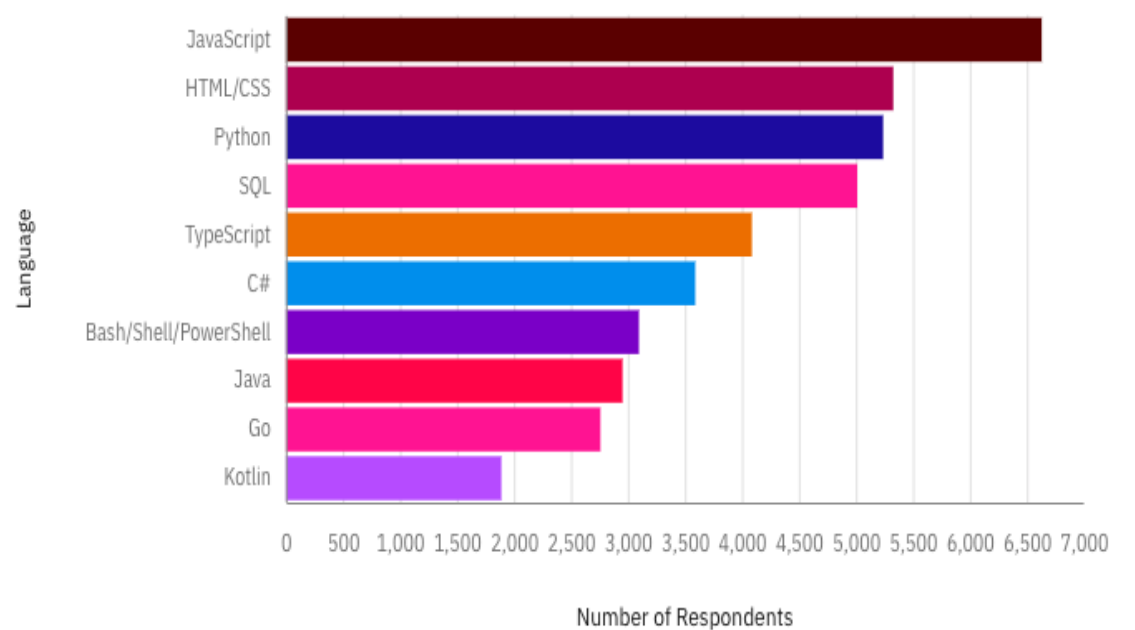
Current Year

Top 10 Languages Worked With



Next Year

Top 10 Languages Desired to Learn Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Currently, JavaScript and HTML/CSS are the most popular programming languages worked with by developers
- The majority of developers surveyed would like to continue learning JavaScript and HTML/CSS in the coming year
- The programming languages with increased interest from developers include Python, TypeScript, Go, and Kotlin
- SQL, Bash/Shell/PowerShell, Java, C++, and PHP are languages that developers are less interested in learning next year

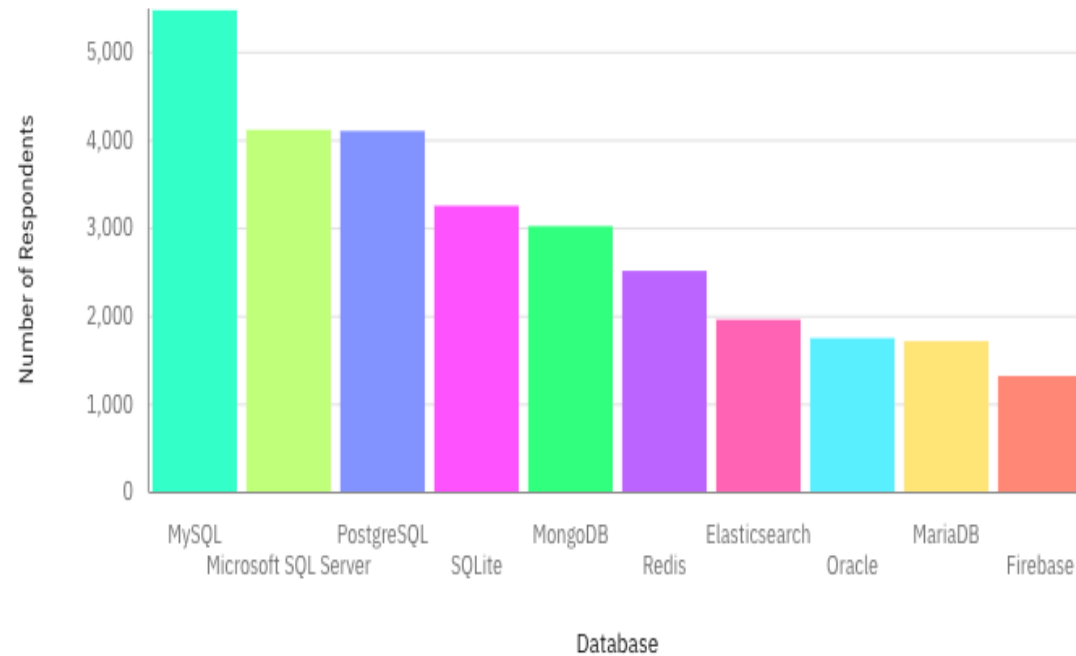
Implications

- Findings suggest that knowledge of JavaScript and HTML/CSS is in demand
- Findings suggest that JavaScript and HTML/CSS are used frequently
- Interest in programming languages such as Python and TypeScript, indicate desire to diversify skills

DATABASE TRENDS

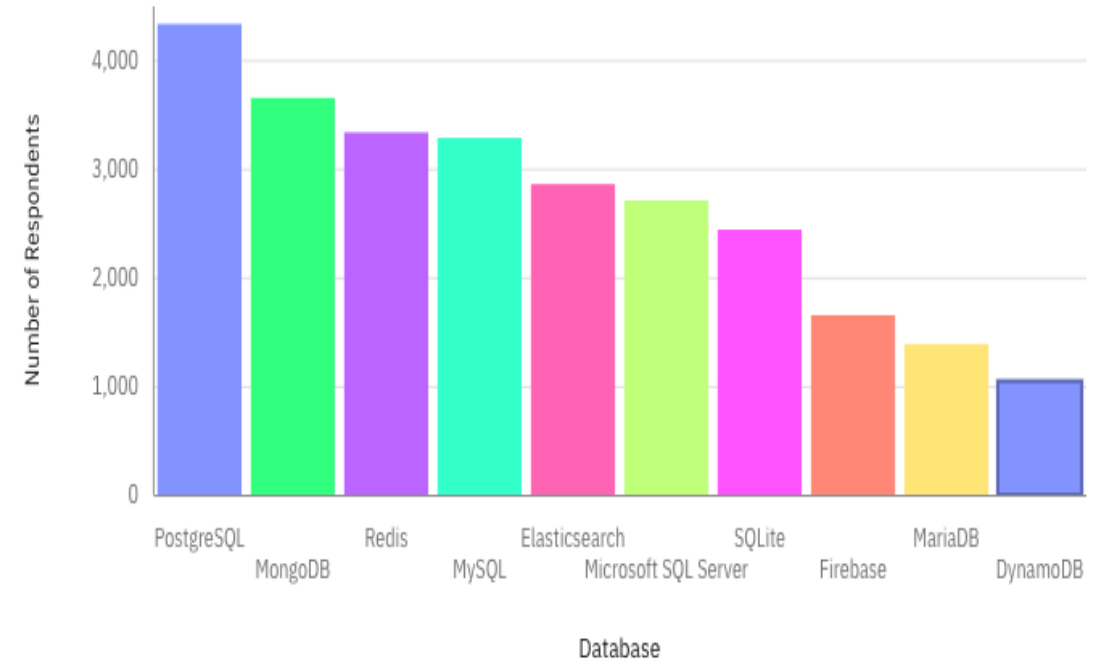
Current Year

Top 10 Databases Worked With



Next Year

Top 10 Databases Desired to Learn Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- At present, MySQL is the database developers work with the most
- Although MySQL is worked with the most now, less developers want to learn it next year
- Highest number of developers would like to learn PostgreSQL next year

Implications

- The finding in regards to PostgreSQL suggests a shift in database preference away from MySQL
- Findings suggest that knowledge of databases like PostgreSQL, MongoDB, and Redis are sought-after

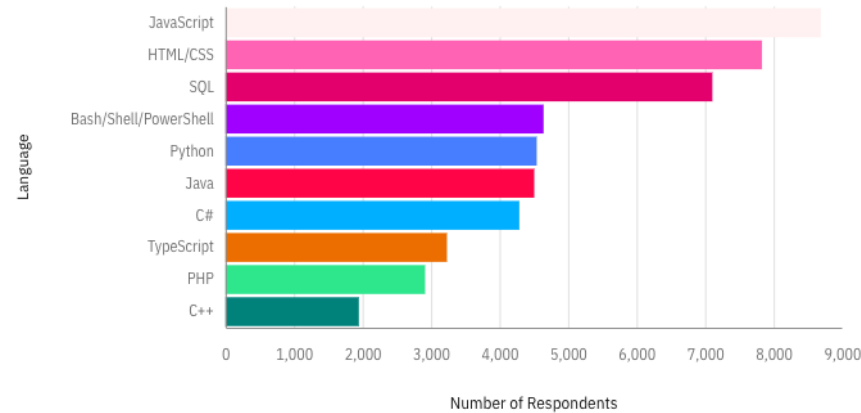
DASHBOARD



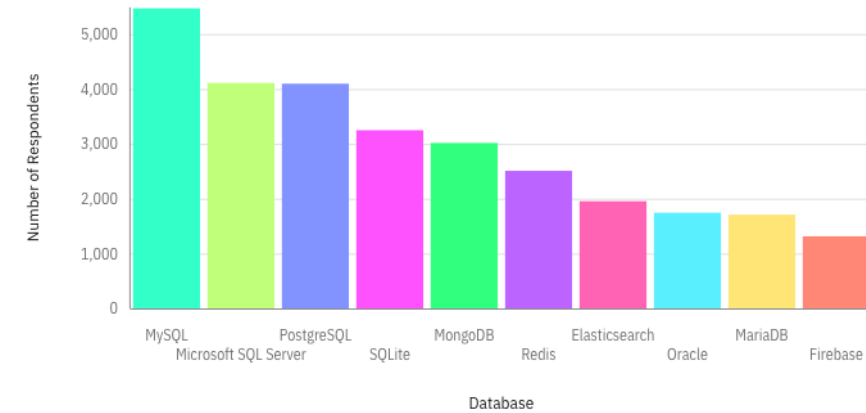
[Dashboard as Seen on Github](#)

DASHBOARD – CURRENT TECHNOLOGY USAGE

Top 10 Languages Worked With



Top 10 Databases Worked With



Platforms Worked With

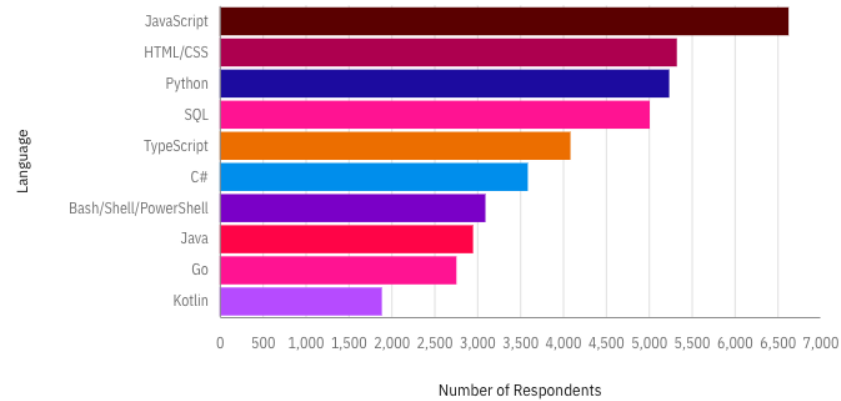


Top 10 Web Frames Worked With

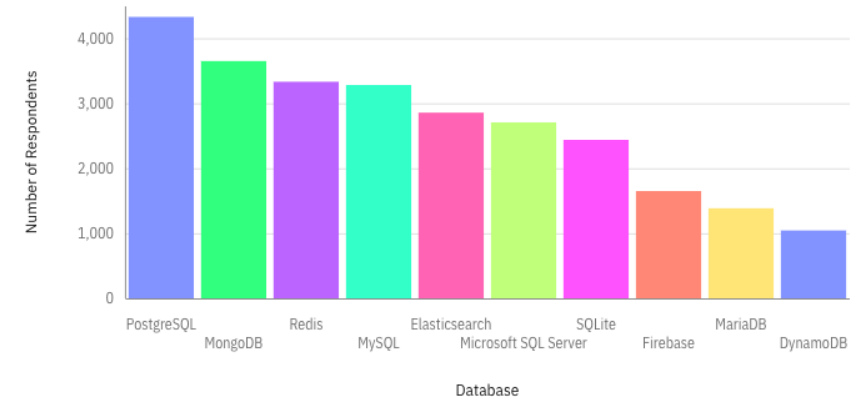


DASHBOARD – FUTURE TECHNOLOGY TRENDS

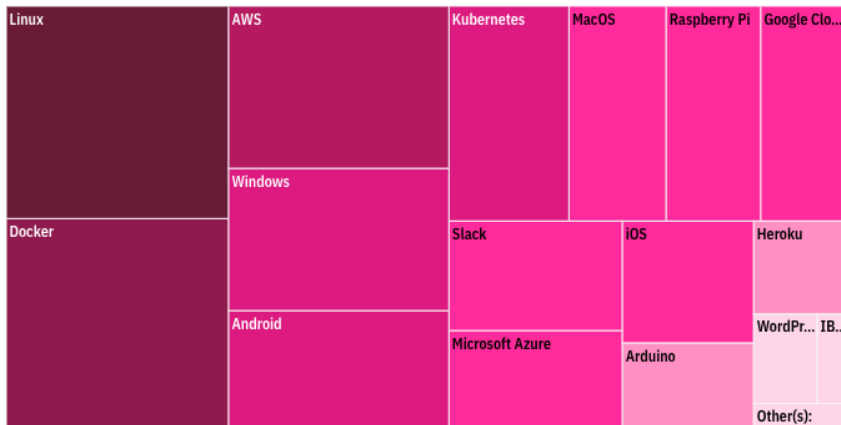
Top 10 Languages Desired to Learn Next Year



Top 10 Databases Desired to Learn Next Year



Platforms Desired to Learn Next Year



Top 10 Web Frames Desired to Learn Next Year

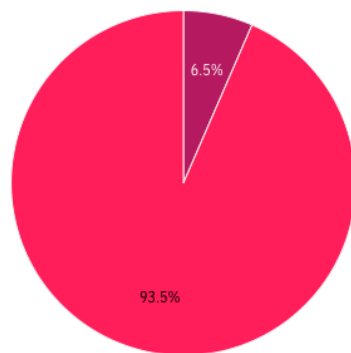


DASHBOARD - DEMOGRAPHICS

Respondent by Gender

Gender

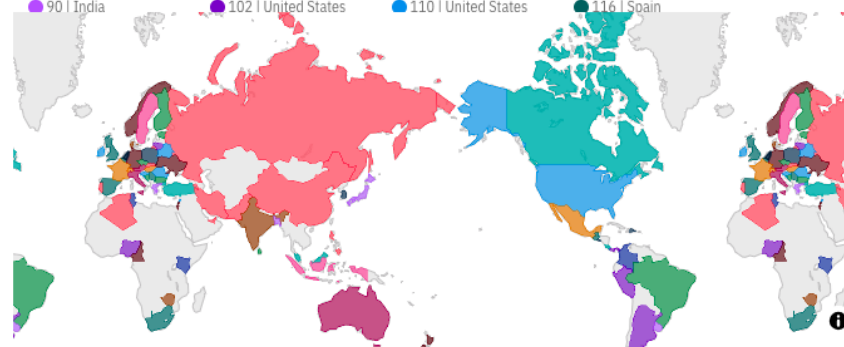
● Woman ● Man



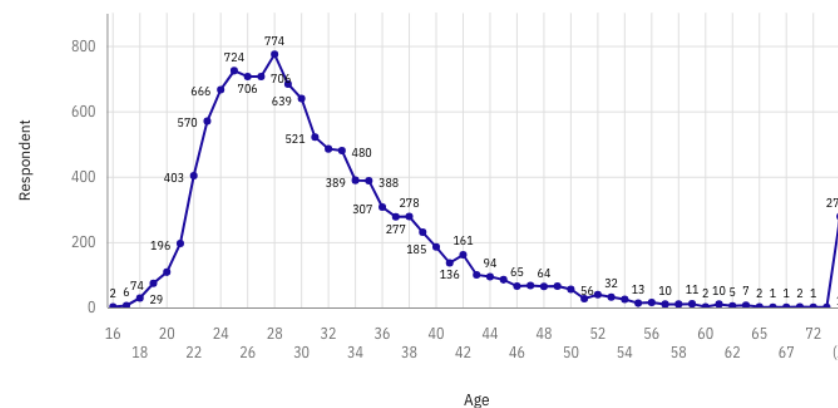
Number of Respondents by Country

Respondent - Country

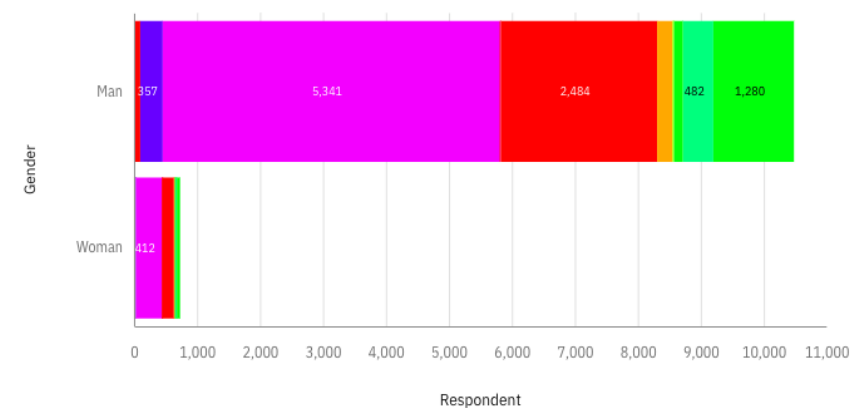
● 13 | United States ● 16 | United Kingdom ● 17 | Australia ● 26 | United States
● 32 | United States ● 38 | Czech Republic ● 39 | United States ● 54 | Sweden
● 57 | France ● 60 | United States ● 62 | Netherlands ● 78 | India
● 90 | India ● 102 | United States ● 110 | United States ● 116 | Spain



Respondent by Age



Respondents by Gender Classified by Education Level



DISCUSSION

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OVERALL FINDINGS & IMPLICATIONS

Findings

- JavaScript and HTML/CSS are the most popular programming languages for developers
- Databases in demand include MySQL, PostgreSQL, MongoDB, and Redis

Implications

- Providing learning opportunities for JavaScript and HTML/CSS will enhance the capabilities of individual developers
- Company growth and competitiveness can occur when learning preferences of developers are considered
- Finding suggest that professional development courses about developer preferred databases should be implemented

CONCLUSION

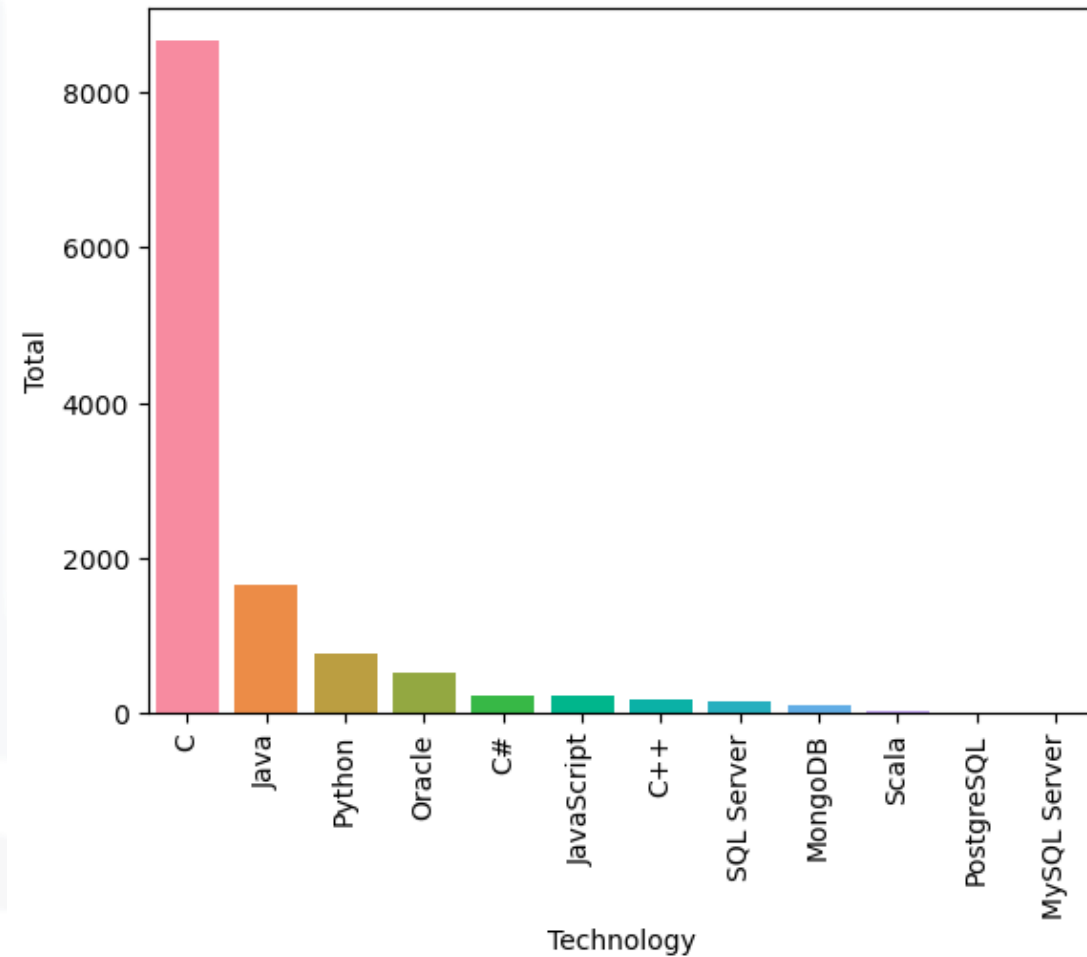


- For BayuuTech to help their developers grow they should:
 - Invest in learning and skill development programs
 - Stay aware of the latest technological advancements to make informed decisions about technology investments
 - Continuously evaluate technology investments to identify potential areas for improvement or modification

APPENDIX

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JOB POSTINGS



POPULAR LANGUAGES

