

# Final Presentation

TAN KENG YONG, July 30th 2025



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# OUTLINE

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

# EXECUTIVE SUMMARY

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- Deep dive into technology usage based on:
  - Current usage
  - Future usage
  - Demographics

# INTRODUCTION

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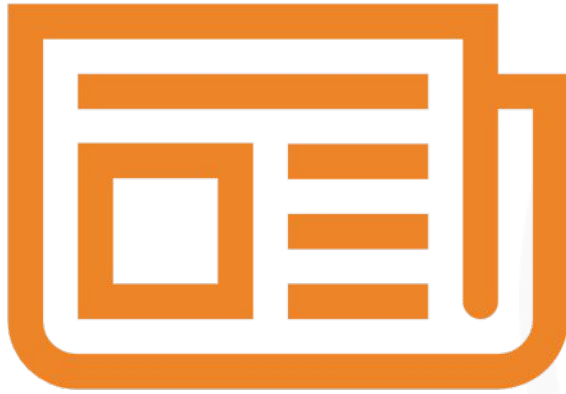


- Report purpose is to present findings on trends based on technology usage
- Key audience is the general public
- Key value is to educate the general public on the usages on current technologies



# METHODOLOGY

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- Data is gathered based on recent survey data specifically targeting professionals in the tech industries.
- The survey is conducted online and consent to use the survey data for research has been approved by the individuals.
- To ensure good data quality, pre-processing of the data has been conducted such as
  - data cleaning
  - data normalization
  - data validation

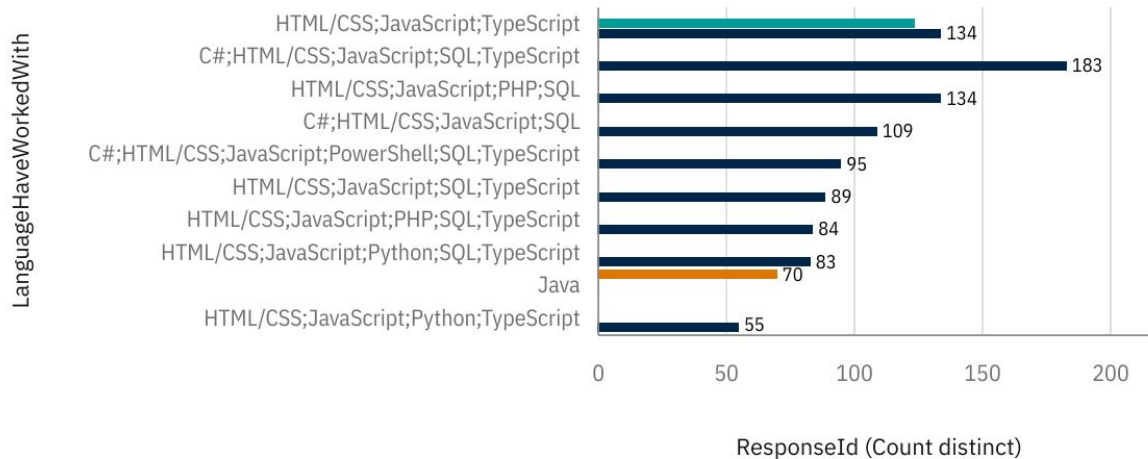
# PROGRAMMING LANGUAGE TRENDS

## Current Year

Top 10 Language Have Worked With

DevType

Developer, back-end Developer, front-end Developer, full-stack

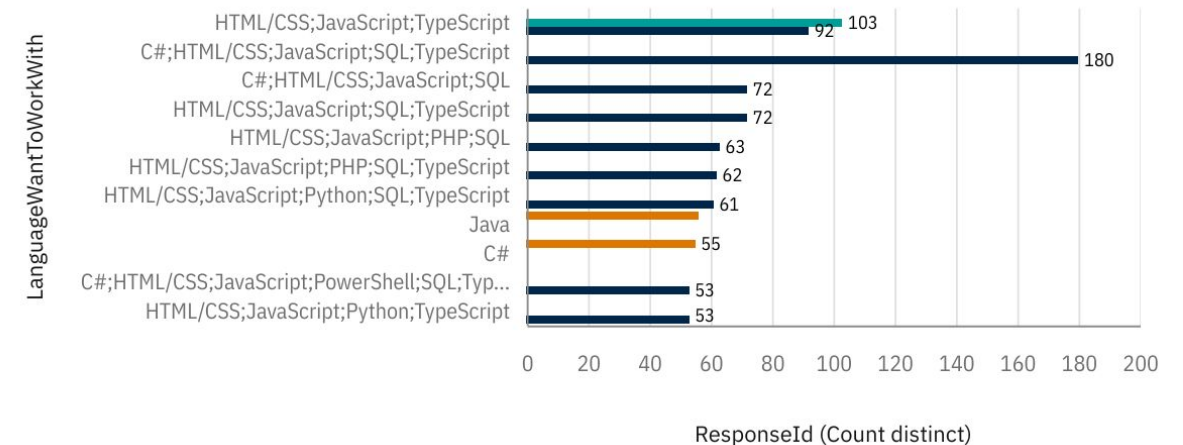


## Next Year

Top 10 Language Want To Work With colored by DevType

DevType

Developer, back-end Developer, front-end Developer, full-stack



# PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

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## Findings

- Javascript top trending
- SQL 2nd runner up
- CSS 3rd place

## Implications

- Javascript is expected to continue its dominant position
- SQL continues to remain relevant
- Good to know some CSS

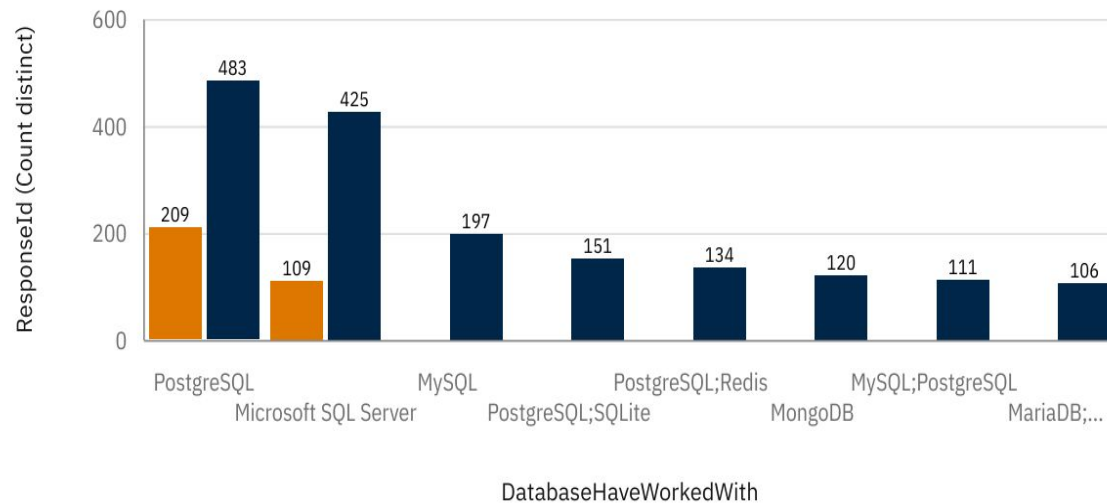
# DATABASE TRENDS

## Current Year

Top 10 Database Have Worked With

DevType

Developer, back-end Developer, full-stack

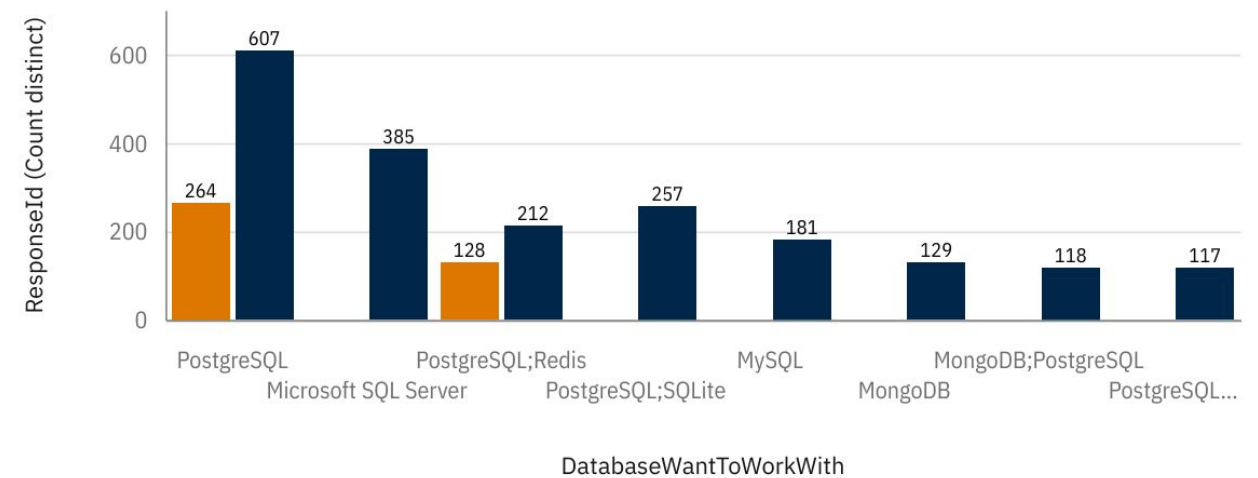


## Next Year

Top 10 Database Want To Work With colored by DevType

DevType

Developer, back-end Developer, full-stack





# DATABASE TRENDS - FINDINGS & IMPLICATIONS

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## Findings

- Postgres top trending
- MySQL 2nd runner up
- Redis 3rd place

## Implications

- Postgres is expected to continue its dominant position
- MYSQL continues to remain relevant
- Good to know some Redis

# DASHBOARD

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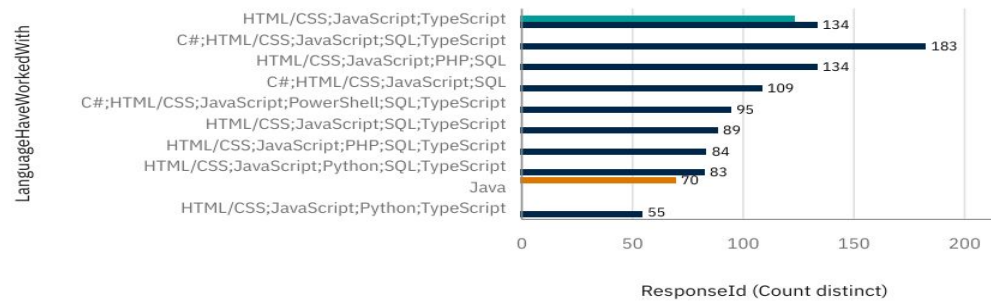
# DASHBOARD TAB 1

## Current Technology Usage

### Top 10 Language Have Worked With

DevType

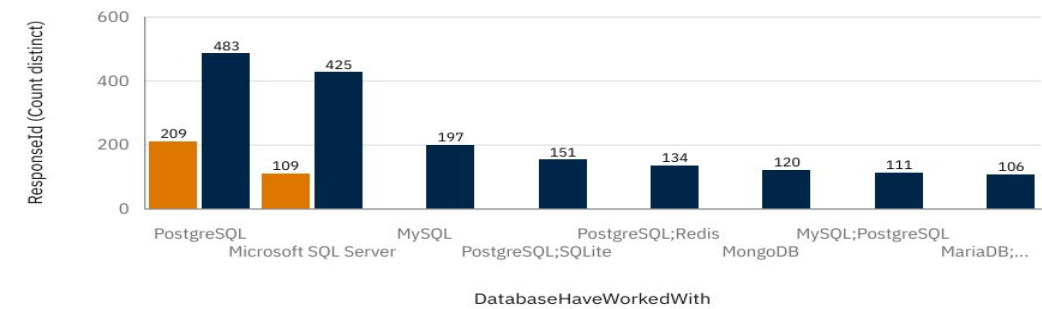
Developer, back-end Developer, front-end Developer, full-stack



### Top 10 Database Have Worked With

DevType

Developer, back-end Developer, full-stack



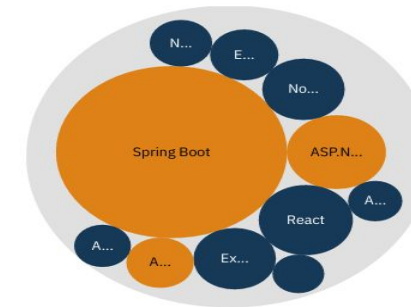
### Platform Have Worked With colored by DevType sized by ResponseId

ResponseId (Coun... DevType  
Developer, back-end Developer, full-stack



### Webframe Have Worked With hierarchy colored by DevType and sized by ResponseId

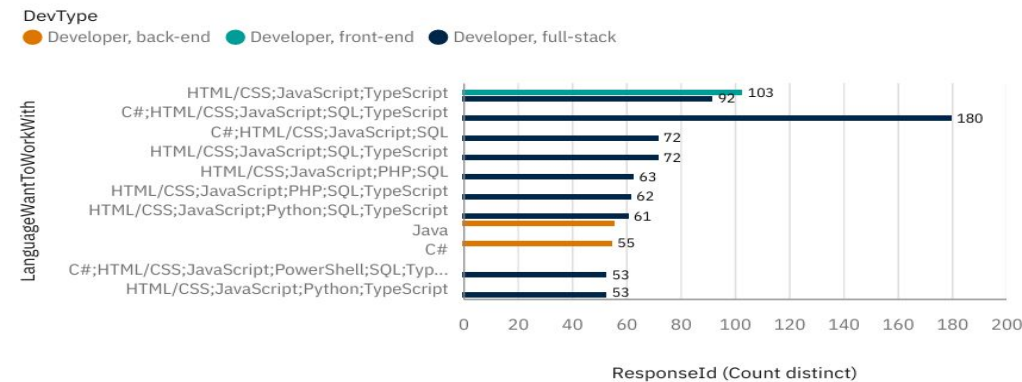
ResponseId (Coun... DevType  
Developer, back-end Developer, full-stack



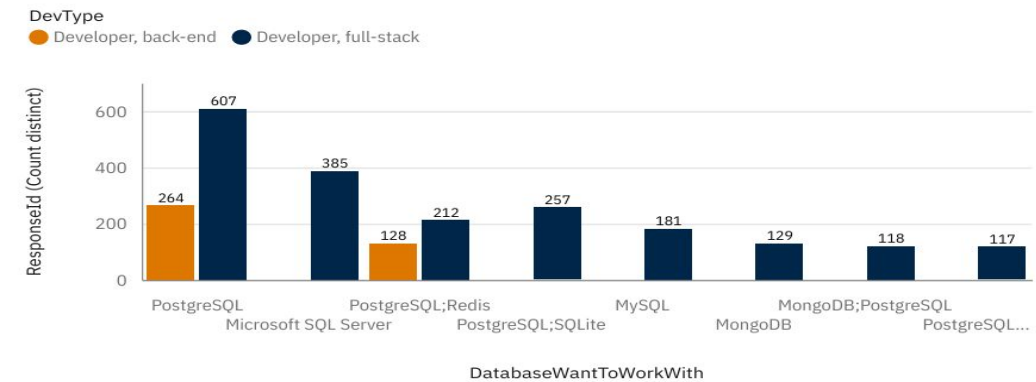
# DASHBOARD TAB 2

## Future Technology Trend

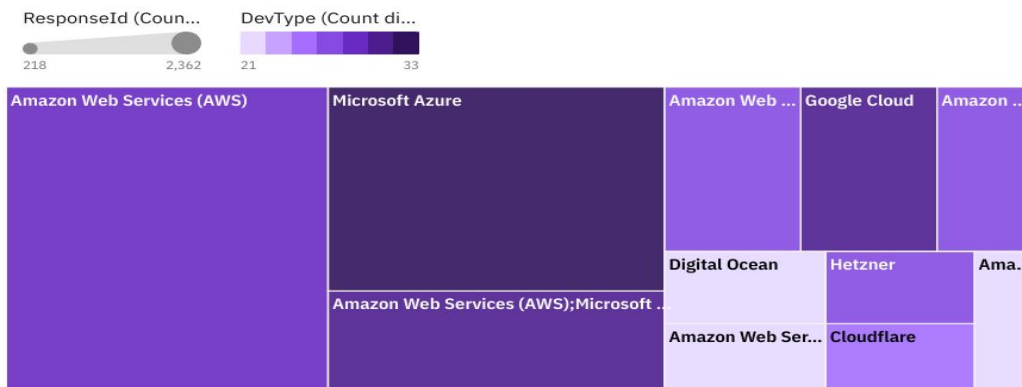
Top 10 Language Want To Work With colored by DevType



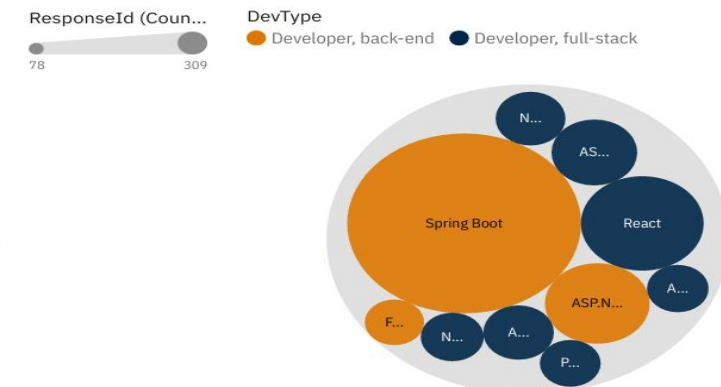
Top 10 Database Want To Work With colored by DevType



Platform Want To Work With hierarchy colored by DevType and sized by ResponseId



Webframe Want To Work With hierarchy colored by DevType and sized by ResponseId



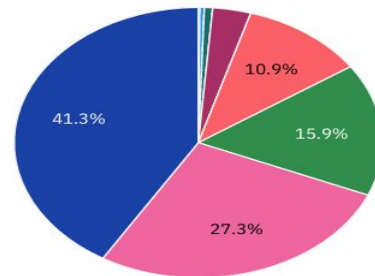
# DASHBOARD TAB 3

## Demographics

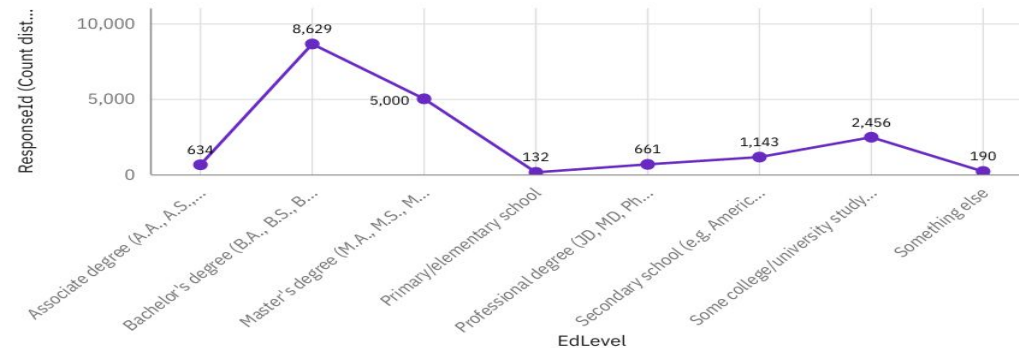
Respondent distribution by Age

Age

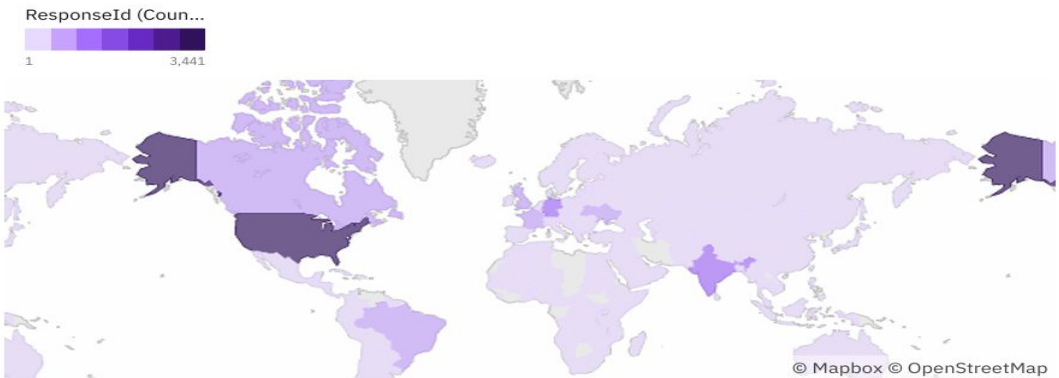
- Prefer not to say
- 65 years or older
- Under 18 years old
- 55-64 years old
- 45-54 years old
- 18-24 years old
- 35-44 years old
- 25-34 years old



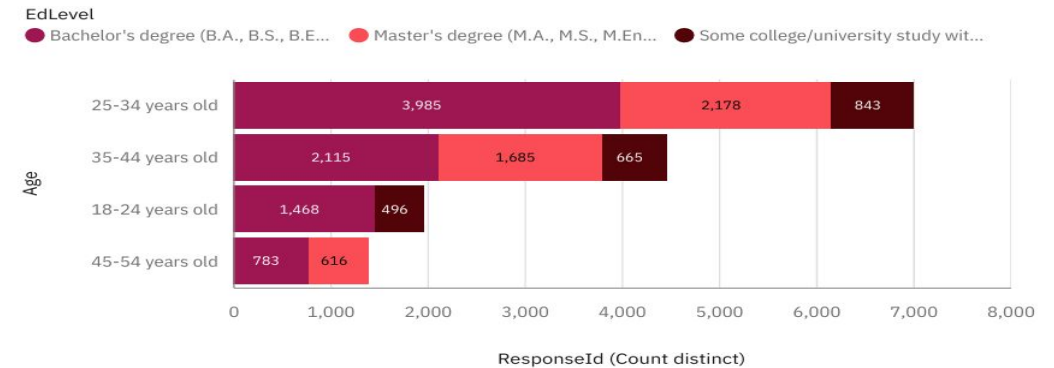
Respondent distribution by Formal Education Level



Respondent Count by Country



Respondent Count by Age, classified by Education Level



# DISCUSSION

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For the future, focus:

- Javascript
- SQL
- CSS
- Postgres
- MySQL
- Redis
- AWS
- Spring Boot



# OVERALL FINDINGS & IMPLICATIONS

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## Findings

- Javascript
- Postgres
- AWS

## Implications

- Dominant language to learn
- Dominant database to learn
- Dominant platform to learn

# CONCLUSION

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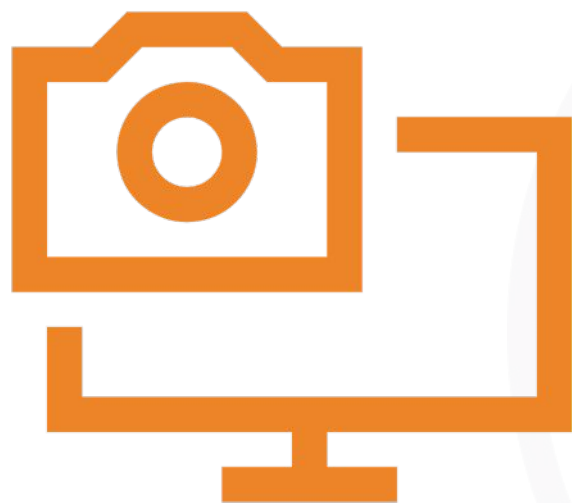


- The key takeaway from the research based on the survey are the following:
  - Current trends
  - Future trends
  - What technologies to focus on (Javascript, Postgres, SQL, AWS etc etc)
  - Demographics are important too



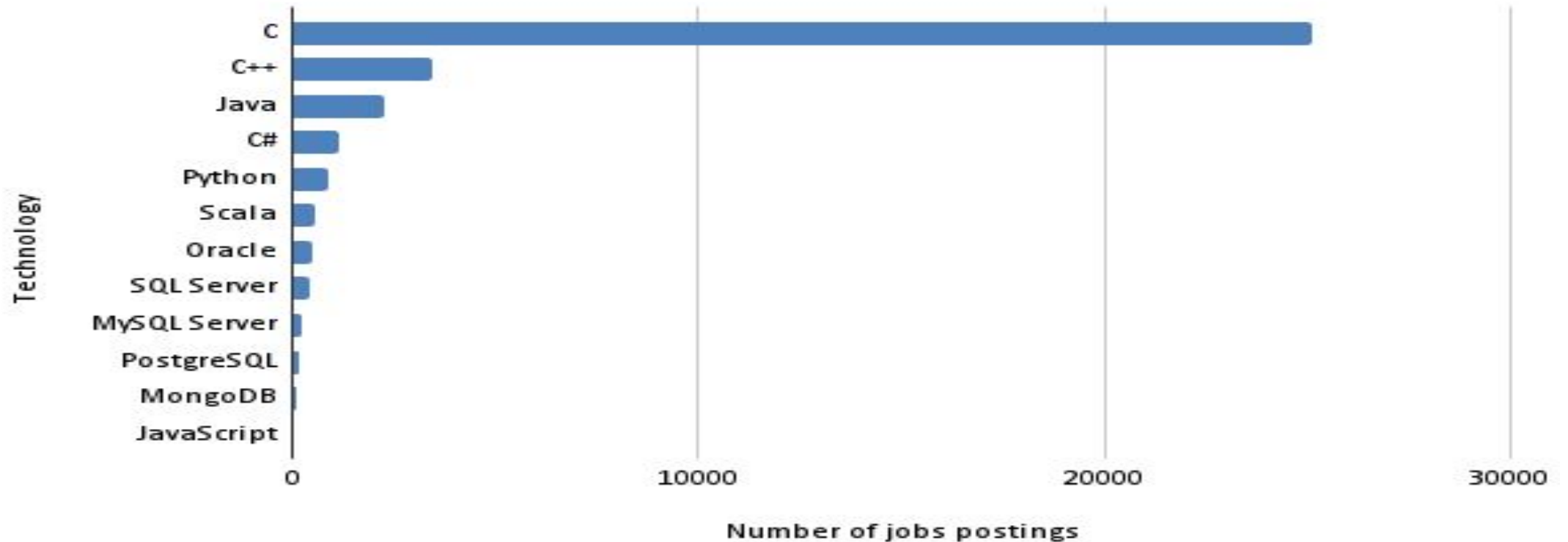
# APPENDIX

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# JOB POSTINGS

Number of jobs postings



# POPULAR LANGUAGES

Salary vs. Language

