Technology Trends Dashboard — Decision Snapshot

Purpose
Turn a large developer survey into clear signals for hiring, training, and technology planning.

What was tricky
Some survey answers include multiple choices in one field, so simple counting can mislead.

What I did
I cleaned the data, counted technologies in a consistent way, and built dashboards that show current use, future interest, and key demographics.

How to use this
Use the results to prioritise core skills, make selective bets on new tools, and avoid decisions based on hype.
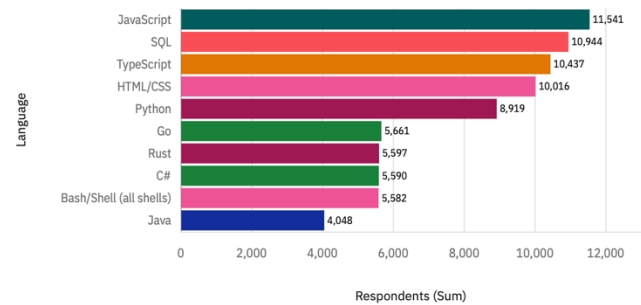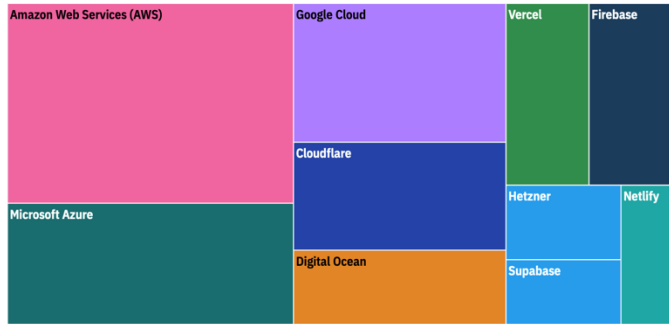
Repo / methods / visuals:
Project 02 Data Visualization Python Developer Survey
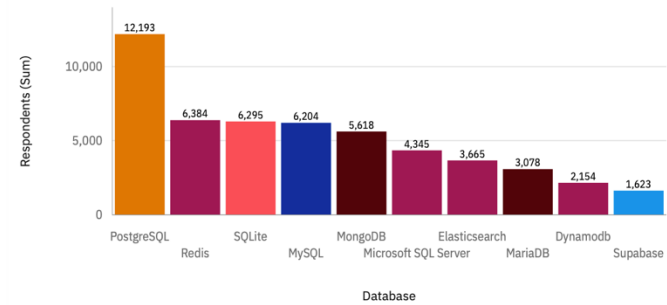
Future Technology Trend

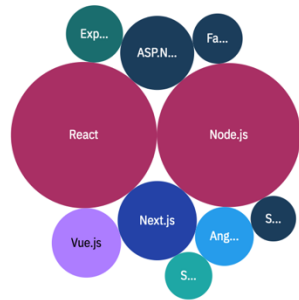### Top 10 Programming Languages Respondents Want to Work With

Language	Respondents (Sum)
JavaScript	11,541
SQL	10,944
TypeScript	10,437
HTML/CSS	10,016
Python	8,919
Go	5,661
Rust	5,597
C#	5,590
Bash/Shell (all shells)	5,582
Java	4,048

Top 10 Databases Respondents Want to Work With

Database	Respondents (Sum)
PostgreSQL	12,193
Redis	6,384
SQLite	6,295
MySQL	6,204
MongoDB	5,618
Microsoft SQL Server	4,345
Elasticsearch	3,665
MariaDB	3,078
Dynamodb	2,154
Supabase	1,623

Top 10 Platform Respondents Want to Work With

Amazon Web Services (AWS), Microsoft Azure, Google Cloud, Cloudflare, Digital Ocean, Vercel, Hetzner, Firebase, Netlify, Supabase

Top 10 Web Frameworks Respondents Want to Work With

Exp..., ASP.N..., Fa..., React, Node.js, Vue.js, Next.js, Ang..., S...

Current Technology Usage

Top 10 Programming Languages Respondents Worked With

Language	Respondents (Sum)
JavaScript	14,943
SQL	12,602
HTML/CSS	12,410
TypeScript	10,709
Python	9,590
Bash/Shell (all shells)	7,244
C#	6,340
Java	5,982
PHP	4,644
PowerShell	3,438

Top 10 Databases Respondents Worked With

Database	Respondents (Sum)
PostgreSQL	11,514
MySQL	8,556
SQLite	7,001
MongoDB	6,930
Microsoft SQL Server	5,870
Redis	5,814
MariaDB	3,994
Elasticsearch	3,491
Dynamodb	
Oracle	
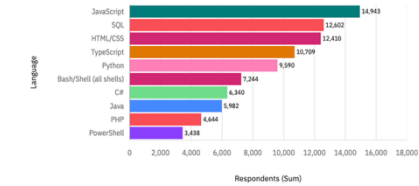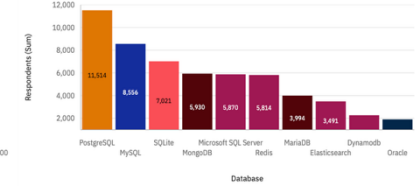
Top 10 Platforms Respondents Worked With

Amazon Web Services (AWS), Google Cloud, Microsoft Azure, Firebase, Cloudflare, Digital Ocean

Top 10 Web Frameworks Respondents Worked With

Ang..., Exp..., Vue..., Node.js, React, Next.js, jQuery, ASP.N..., S..., A...
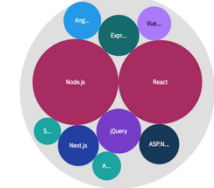
Demographics

Respondent Distribution by Age

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

15.9%, 41.3%, 27.3%, 10.9%
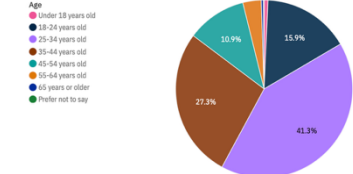
Respondent Count by Country

Respondents (Count): 3,441

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Respondent Distribution by Formal Education Level

Education Level	Respondents (Count)
Primary/elementary school	132
Secondary school (e.g. American high school, German Real...)	1,143
Some college/university study without earning a degree	2,456
Associate degree (A.A., A.S., etc.)	634
Bachelor's degree (B.A., B.S., B.Eng., etc.)	8,629
Master's degree (M.A., M.S., M.Eng., MBA, etc.)	5,000
Professional degree (JD, MD, Ph.D, Ed.D, etc.)	661
Something else	190
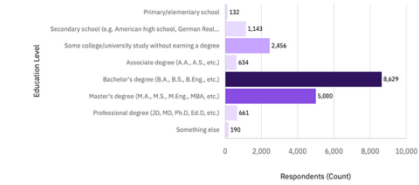
Respondent Count by Age Group and Education Level

EdLevel
- Primary/elementary sch...
- Secondary school (e.g....
- Some college/university...
- Associate degree (A.A....
- Bachelor's degree (B.A...
- Master's degree (M.A...
- Professional degree (JD...
- Something else

Age Group		
Under 18 years old		
18-24 years old	496	1,468
25-34 years old	843	3,985	2,378
35-44 years old	665	2,115	1,685
45-54 years old	783	61x	
55-64 years old		
65 years or older		
Prefer not to say		