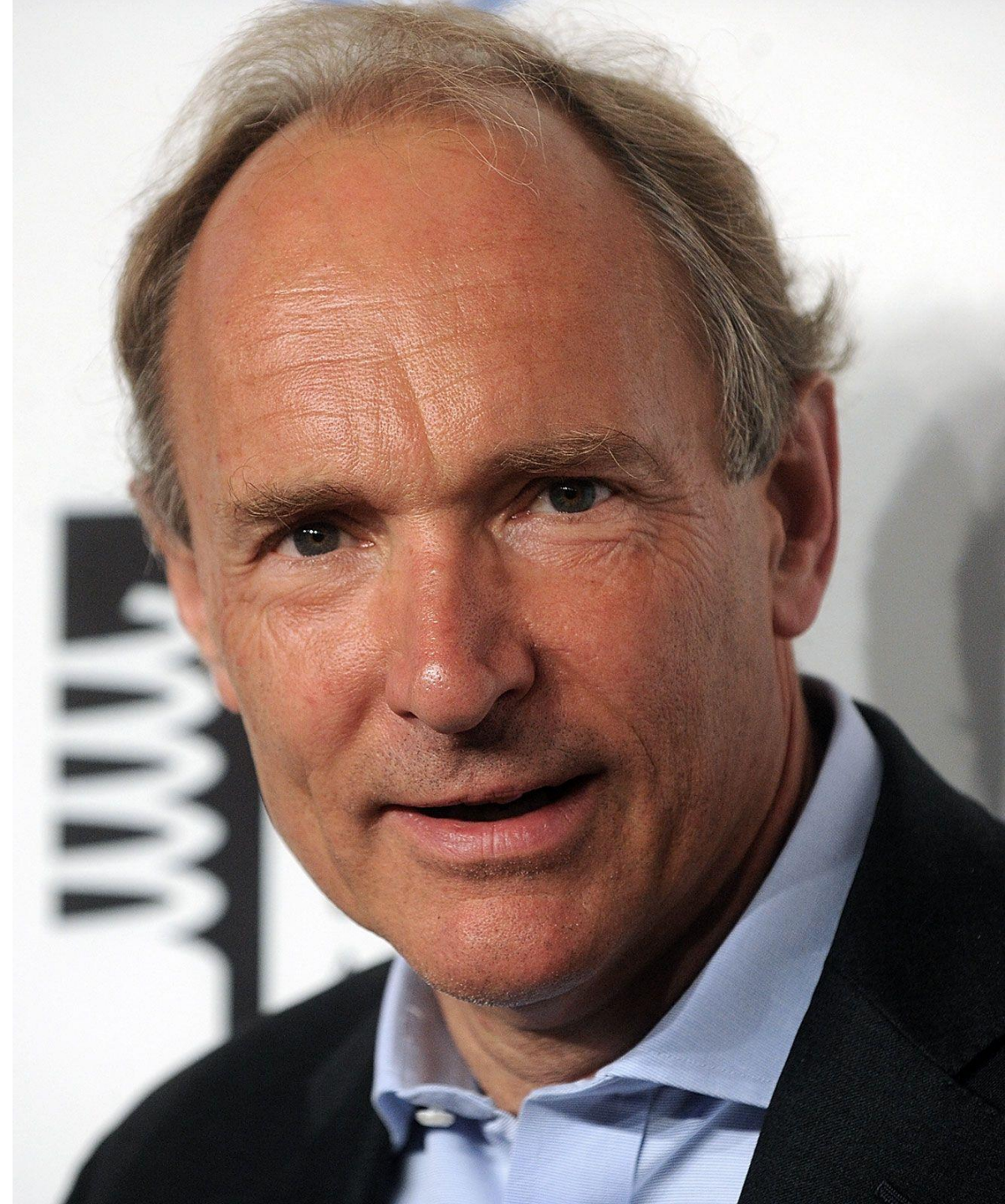




PEMOGRAMAN WEB I

Tim Berners-Lee

- **HTTP**
- **HTML**
- **WWW**
- **Web Browser**
- **Web Server**
- **Web Page**



A decorative background featuring several overlapping diamond and triangular shapes in teal, yellow, and green colors. A large black quotation mark is positioned in the upper left area.

“

***W3C (World Wide Web Consortium)
adalah suatu organisasi yang bekerja
untuk mengembangkan standar-
standar untuk web.***

MOST POPULAR TECHNOLOGIES



<https://survey.stackoverflow.co/2022/#most-popular-technologies-language>

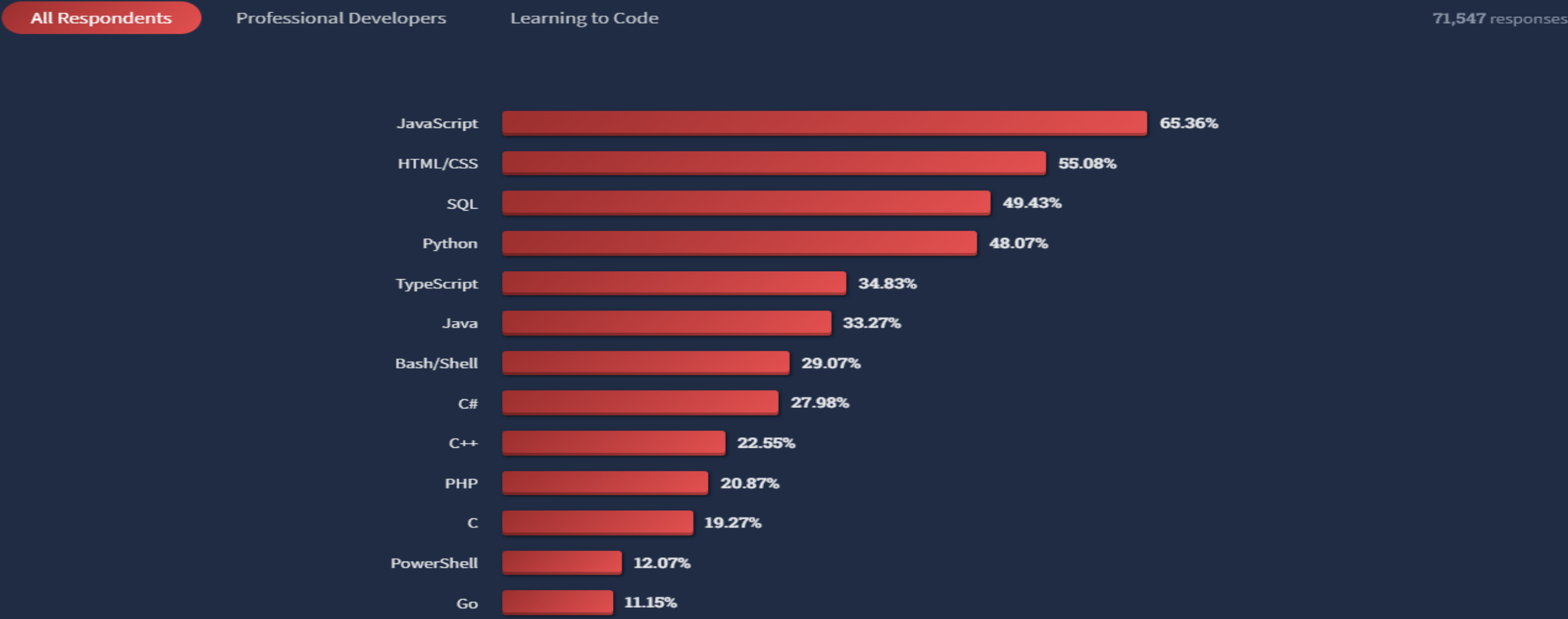
Programming, scripting, and markup languages



2022 marks JavaScript’s tenth year in a row as the most commonly used programming language.

Compared to Professional Developers, those learning to code are less likely to report using SQL (38% vs 53%), TypeScript (15% vs 40%), and Bash/Shell (19% vs 29%).

But, it’s a different picture for those learning to code. HTML/CSS, Javascript and Python are almost tied as the most popular languages for people learning to code. People learning to code are more likely than Professional Developers to report using Python (58% vs 44%), C++ (35% vs 20%), and C (32% vs 17%).

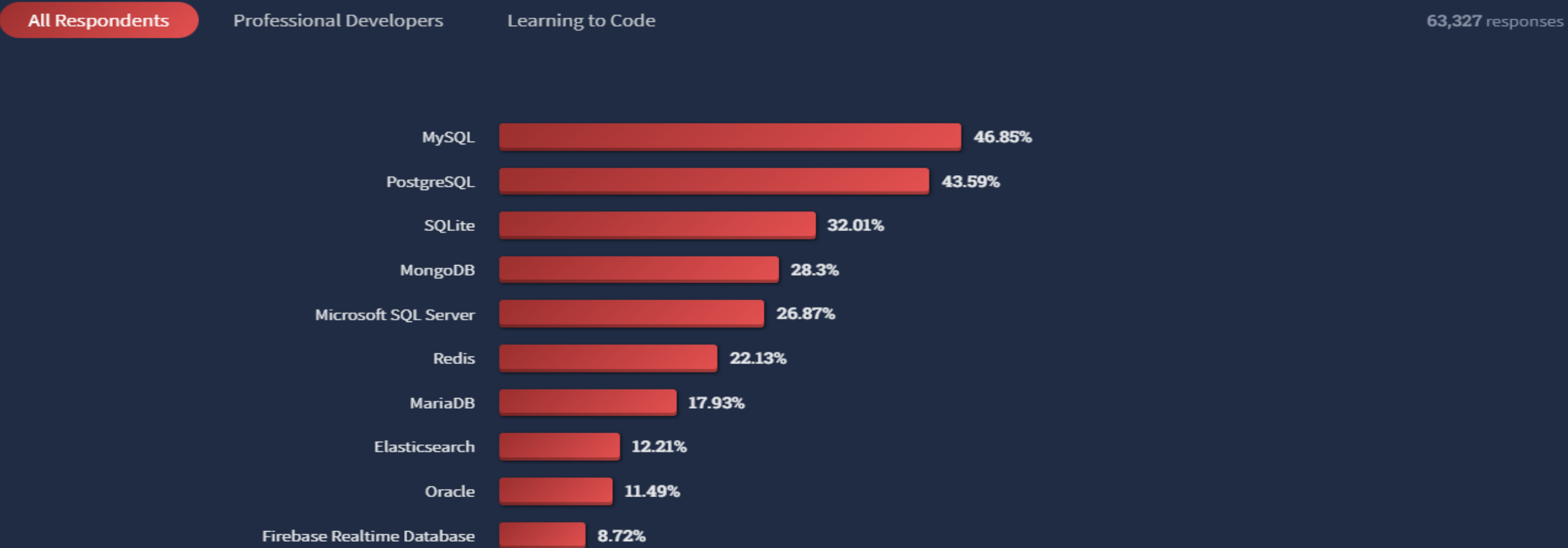


Databases



For Professional Developers PostgreSQL just barely took over the first place spot from MySQL. Professional Developers are more likely than those learning to code to use Redis, PostgreSQL, Microsoft SQL Server, and Elasticsearch.

MongoDB is used by a similar percentage of both Professional Developers and those learning to code and it's the second most popular database for those learning to code (behind MySQL). This makes sense since it supports a large number of languages and application development platforms.



Cloud platforms



AWS remains the most used cloud platform for all respondents and for Professional Developers. Azure took the second-place spot from Google Cloud.

People learning to code have much different usage of cloud platforms. Heroku is the most used platform for those learning to code (35%), significantly higher than Professional Developers (18%). We see similar differences with Google Cloud (31% learning to code; 26% Professional Developers), Firebase (30% learning to code; 21% Professional Developers), VMware (12% learning to code; 8% Professional Developers).

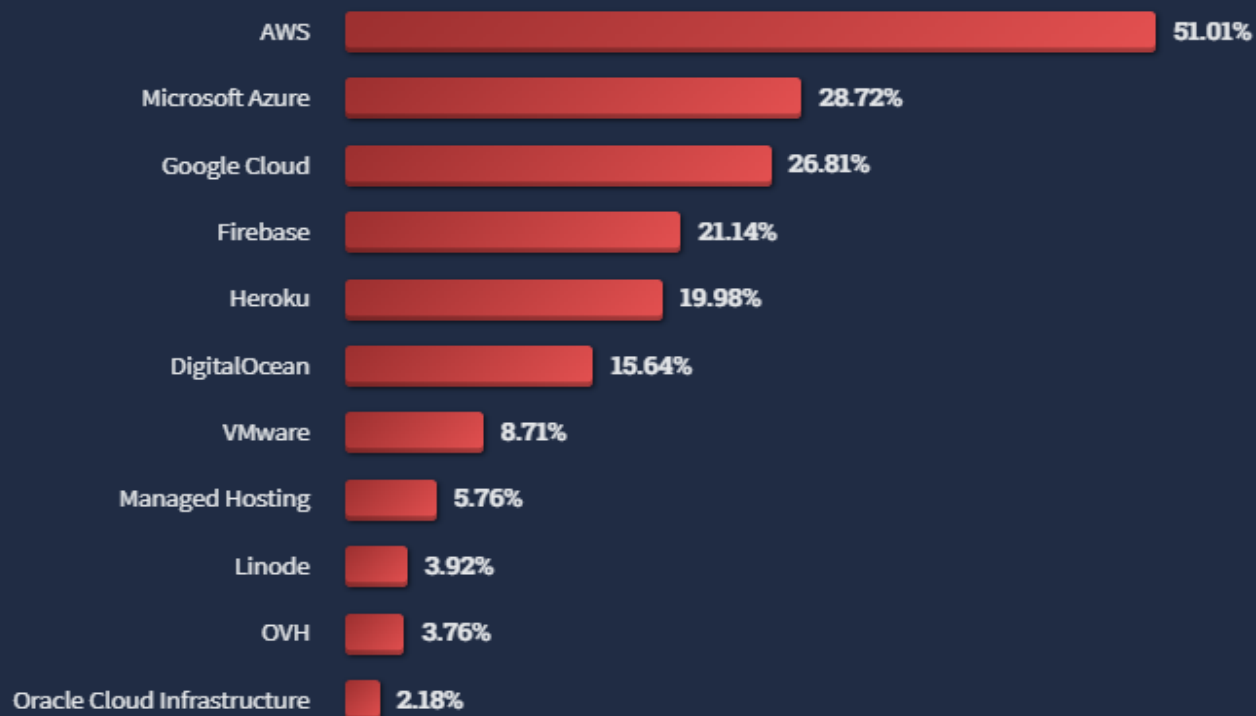
You can see the inroads that AWS and Azure have with organizations - significantly more Professional Developers are using those platforms compared to people who are learning to code.

All Respondents

Professional Developers

Learning to Code

56,553 responses



Web frameworks and technologies



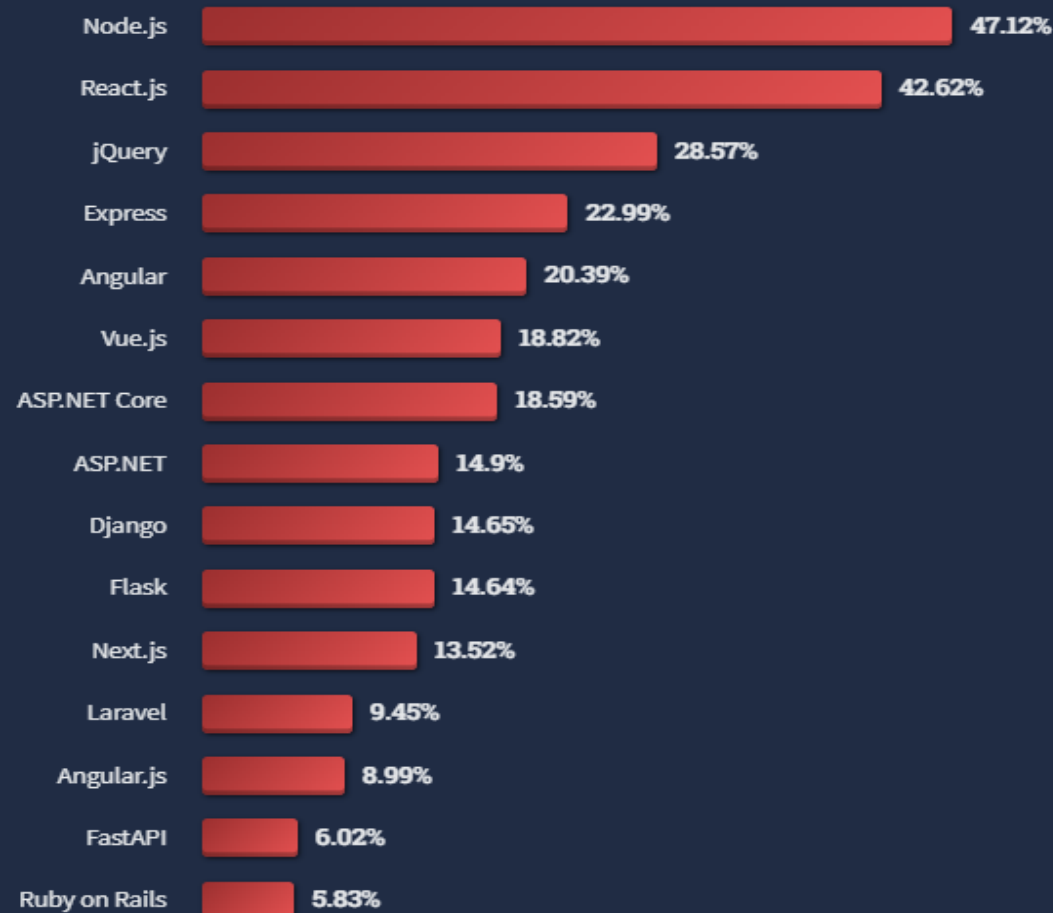
Node.js and React.js are the two most common web technologies used by Professional Developers and those learning to code. Angular is used more by Professional Developers than those learning to code (23% vs 10%), same with ASP.NET (16% vs 10%) and ASP.NET Core (21% vs 10%).

All Respondents

Professional Developers

Learning to Code

58,743 responses



Integrated development environment



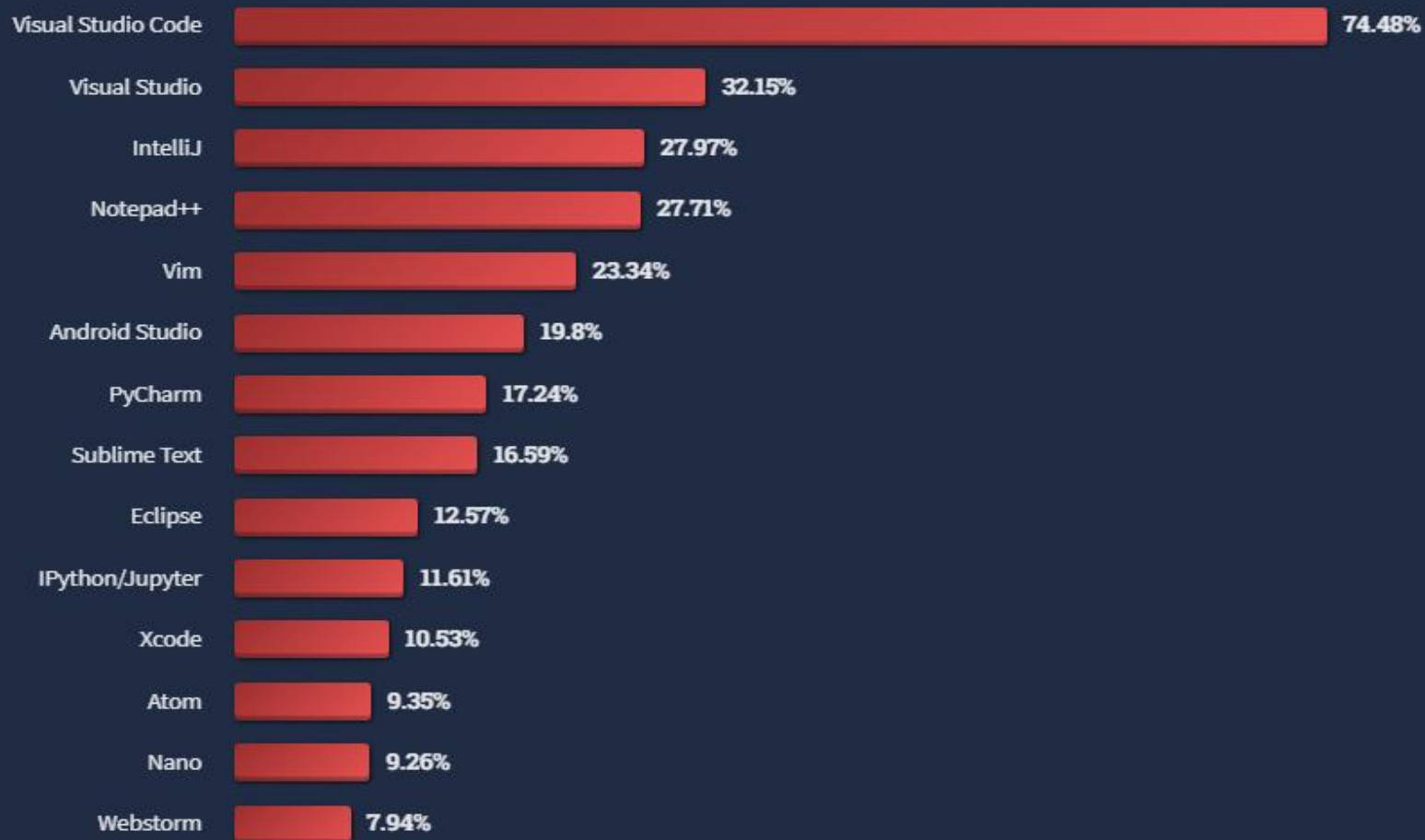
Visual Studio Code remains the preferred IDE across all developers. PyCharm is used more by people learning to code (26% vs 16%) while Vim is used more by Professional Developers (24% vs 16%).

All Respondents

Professional Developers

Learning to Code

71,010 responses

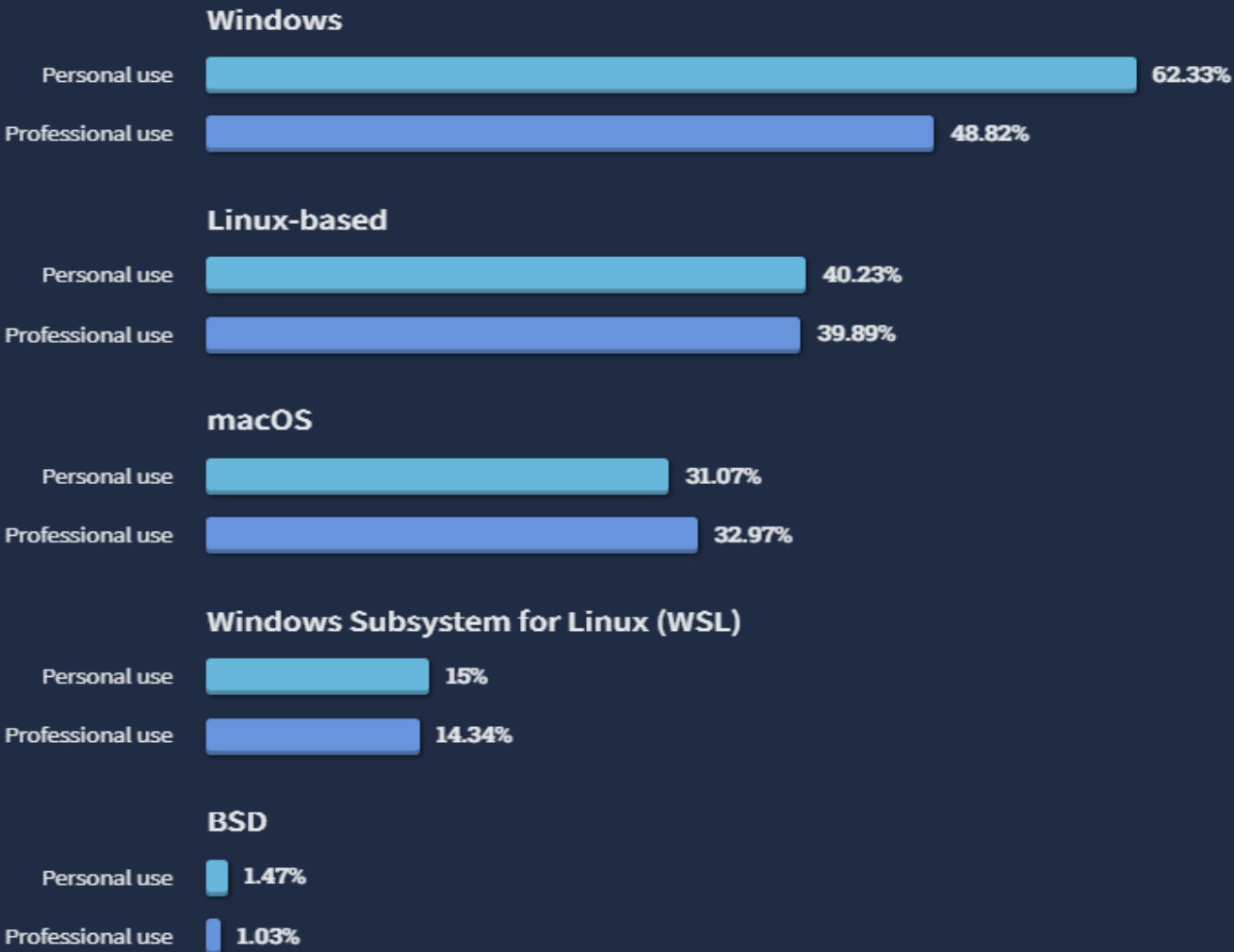


Operating system



Windows is the most popular operating system for developers, across both personal and professional use. A Linux-based OS is more popular than macOS - speaking to the appeal of using open source software.

71,503 responses



MATERI POKOK



HTML



CSS



JAVASCRIPT



PHP



STUDI KASUS



SUMBER

- <https://www.w3schools.com/>
- <https://developer.mozilla.org/>
- <https://www.php.net/>
- <https://stackoverflow.com/>



END
