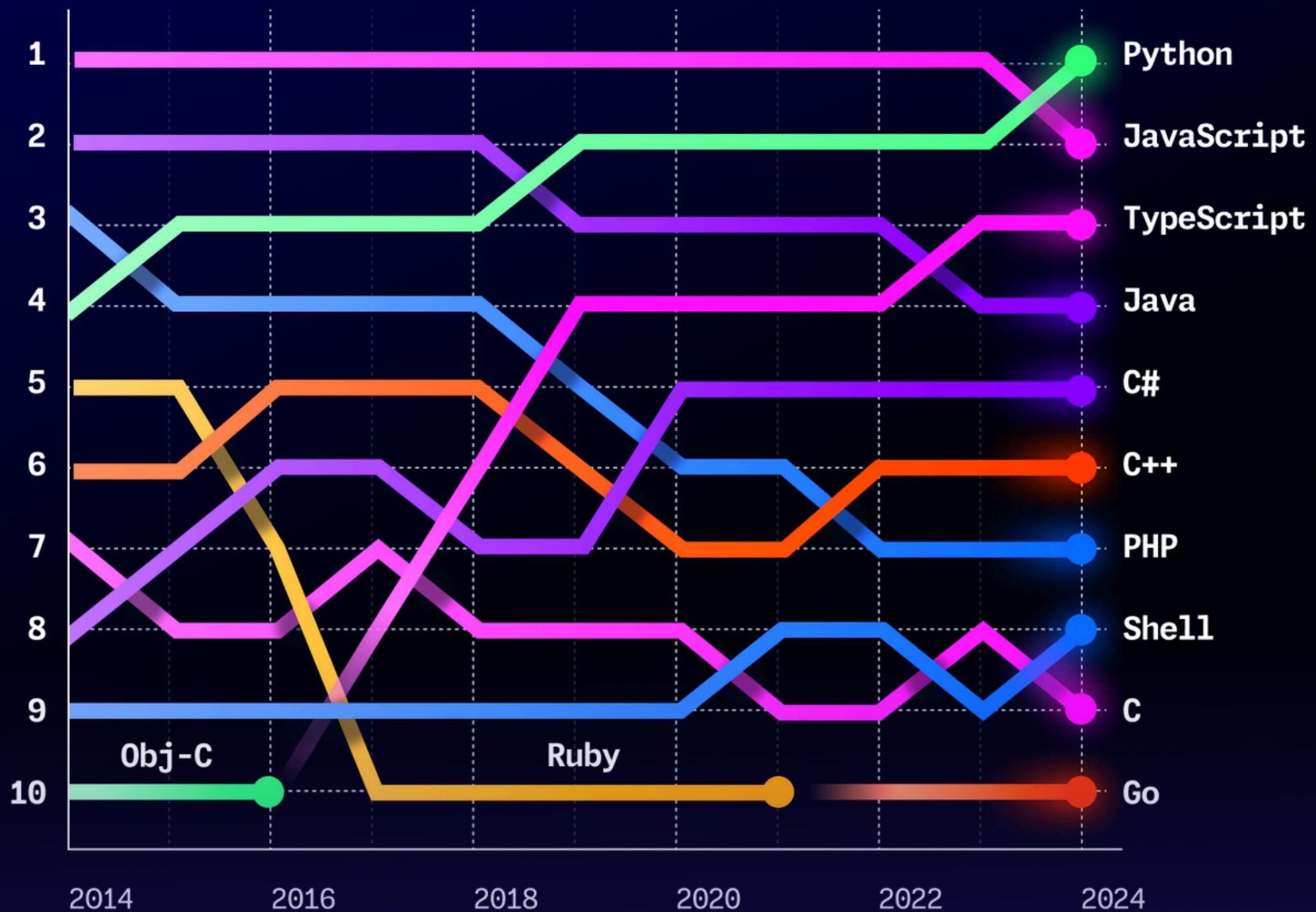


# Top programming languages on GitHub

RANKED BY COUNT OF DISTINCT USERS CONTRIBUTING TO PROJECTS OF EACH LANGUAGE.



## Python

BEATS OUT JAVASCRIPT AS MOST POPULAR LANGUAGE

## JavaScript

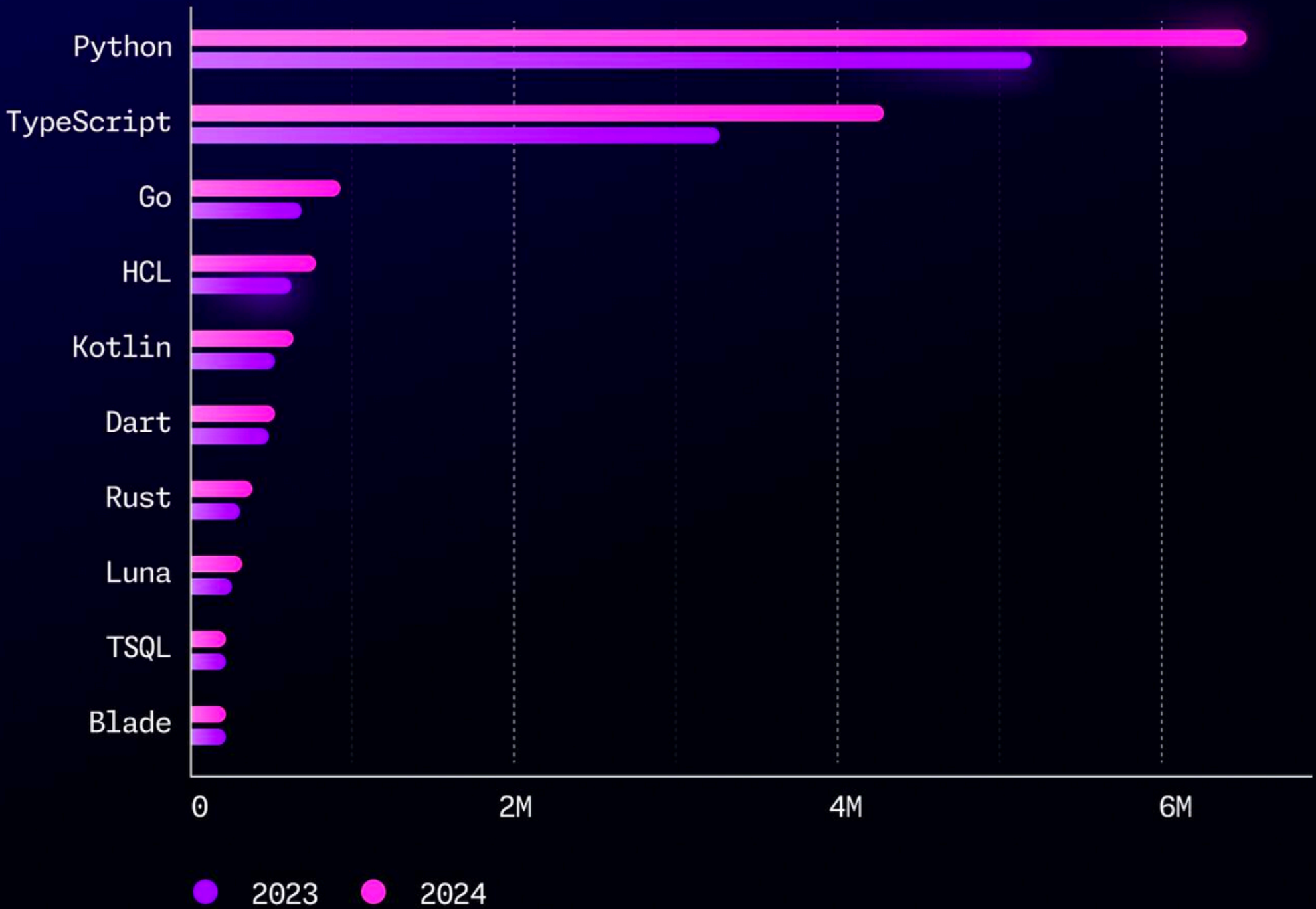
CONTINUES TO GROW WITH HCL AND SHELL

## TypeScript

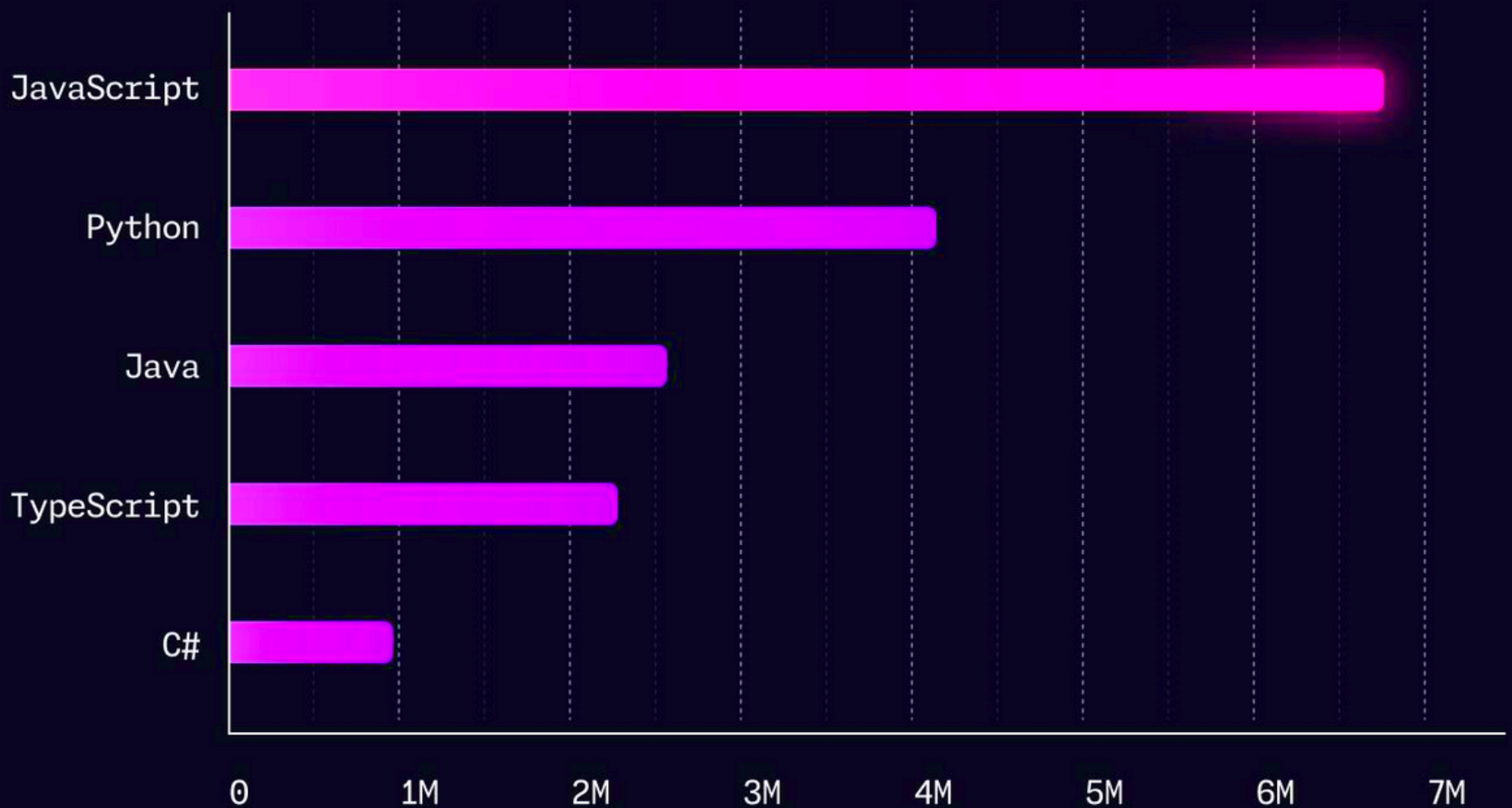
CONTINUES STRONG GROWTH AS 3RD MOST POPULAR LANGUAGE

# Top 10 fastest growing languages in 2024

TAKEN BY PERCENTAGE GROWTH OF CONTRIBUTORS ACROSS ALL CONTRIBUTIONS ON GITHUB.



# Top 5 languages most commonly used in repositories created within the last 12 months on GitHub



# Number of public generative AI projects on GitHub

WITH 98% YEAR-OVER-YEAR GROWTH FROM 2023 TO 2024.



**~70K**

GENERATIVE AI PROJECTS STARTED

**137K**

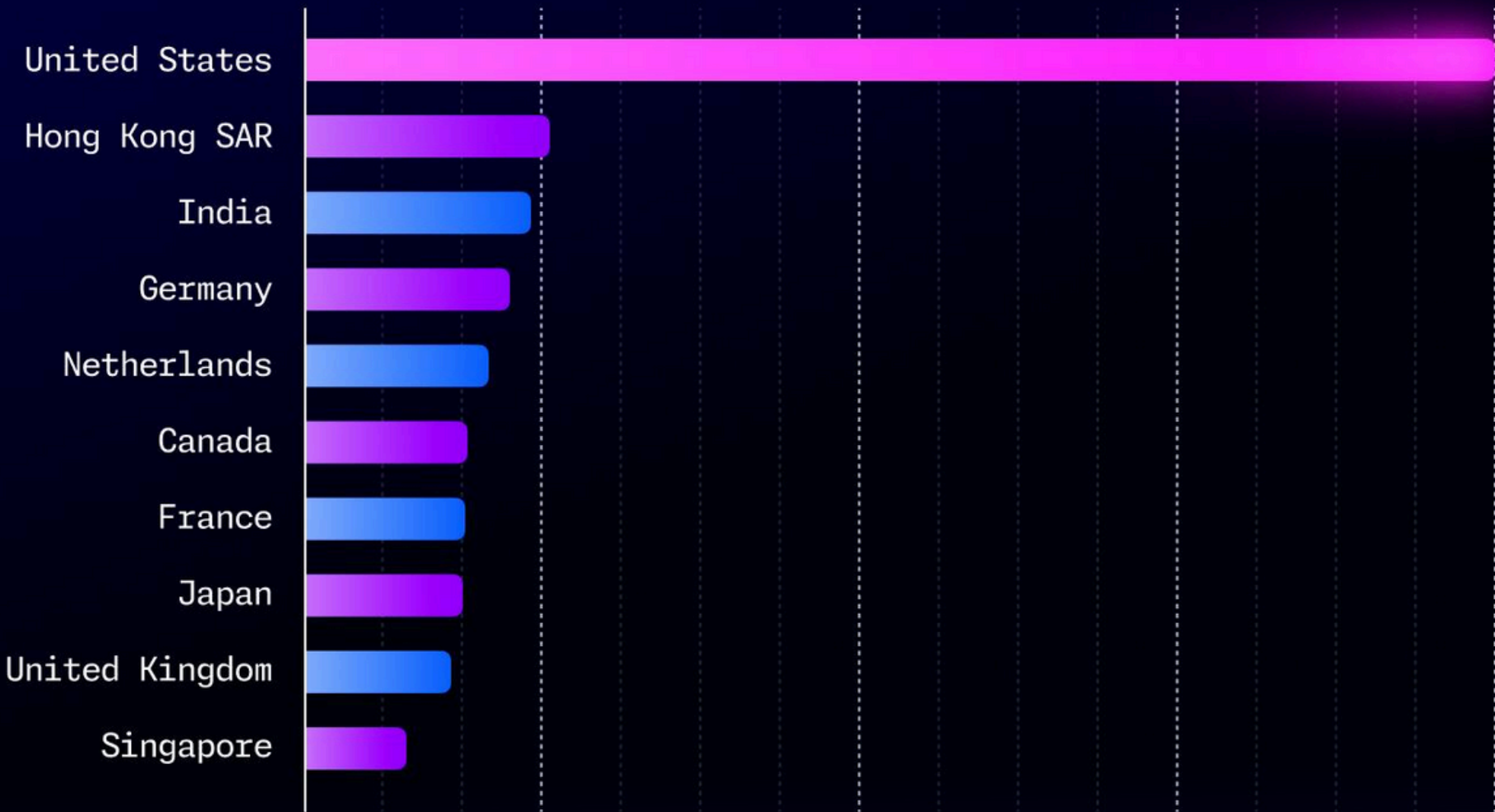
PUBLIC GENERATIVE AI PROJECTS WITH 98% YOY GROWTH

**AI**

MODELS BECOME PART OF THE DEVELOPER'S STACK

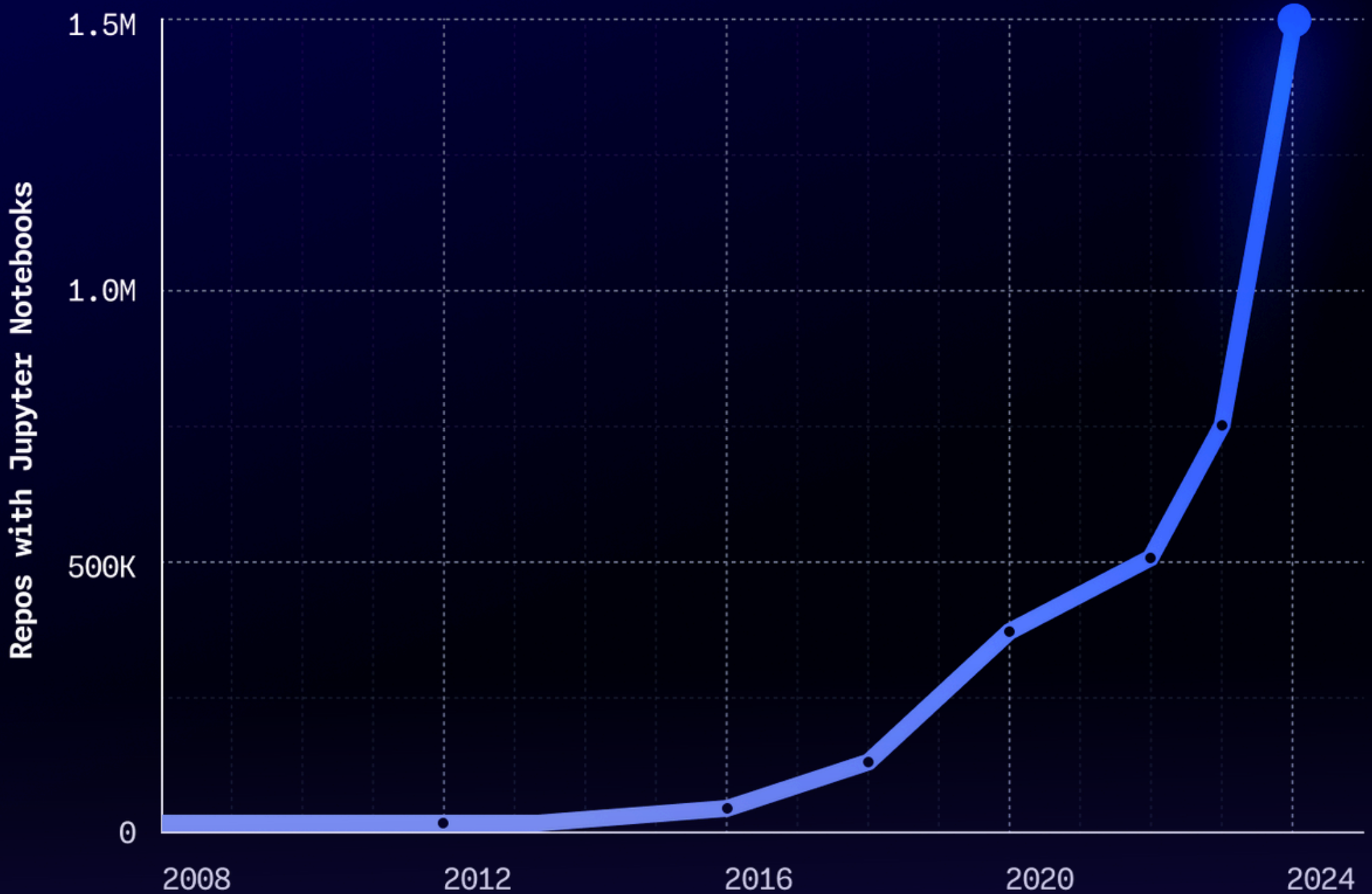
# Top 10 global communities with the most contributions to generative AI projects on GitHub in 2024

CALCULATED BY CONTRIBUTIONS BY REGIONS TO GENERATIVE AI PROJECTS ON GITHUB.



# Jupyter Notebook usage on GitHub

BY DISTINCT PUBLIC REPOSITORIES WITH AT LEAST ONE JUPYTER NOTEBOOK BY THE YEAR THAT THE REPOSITORY WAS CREATED.



**~1B**

CONTRIBUTIONS TO  
PUBLIC & OPEN SOURCE  
PROJECTS IN 2024

**15%**

YOY SPIKE IN  
JAVASCRIPT PACKAGE  
CONSUMPTION VIA NPM

**Jupyter  
Notebooks**

USAGE SURGES AMID AI  
AND PYTHON GROWTH