

Software Development & App Developers: Tools, Skills & Market

Over 26 million software developers worldwide are building the digital economy. The profession is being rapidly transformed by AI coding assistants, cross-platform frameworks, and evolving specialisations. Mobile and cloud-native development dominate, while AI integration is the fastest-growing workflow segment.

\$690B

Enterprise App SW 2029

JavaScript

Top Language 2025

83%

AI Tool Adoption

36.7B

App Downloads Q1 2024

Source: Stack Overflow Developer Survey · App Annie · Gartner · Statista 2025

\$1.43T

Enterprise SW Spend
2026
Global IT expenditure

\$85K

Avg. Dev. Salary
(Global)
Senior developer

\$37B+

iOS Consumer Spend
Q4 2024
App Store quarterly

Flutter

Top Mobile Framework
46% developer usage

AWS

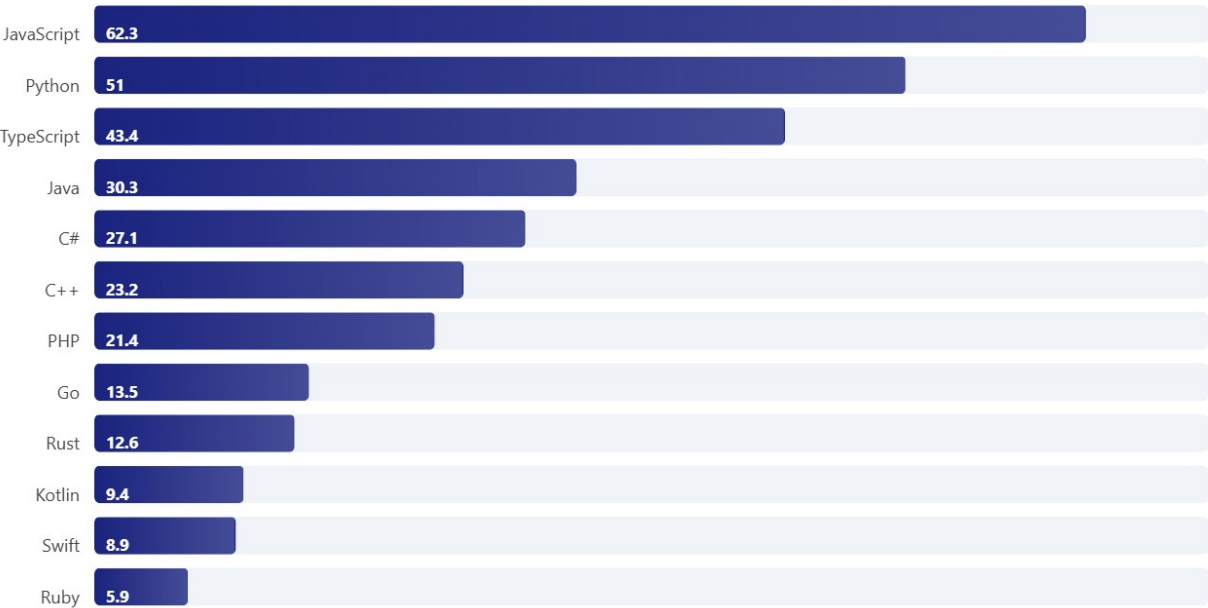
Top Cloud Platform
Most used by devs

~89%

Male Dev. Majority
Global gender split

PROGRAMMING LANGUAGES

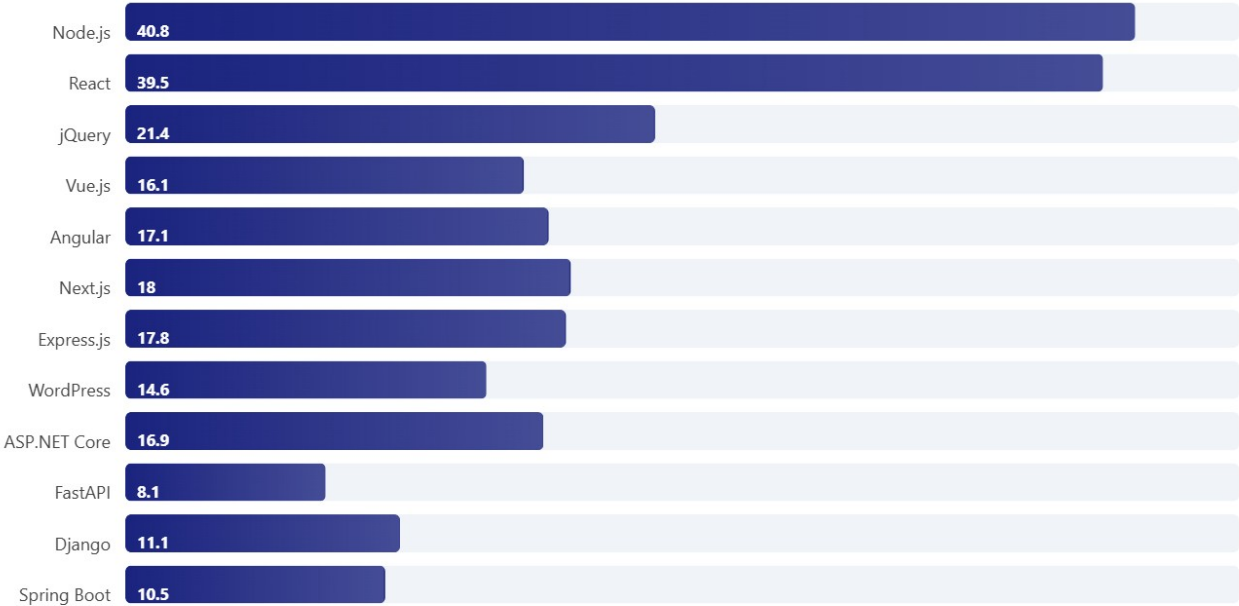
Most Used Programming Languages Among Developers Worldwide 2025 (%)



JavaScript remains the most widely used programming language for the 13th consecutive year, used by 62.3% of developers surveyed. Python has surged in popularity driven by data science and AI/ML applications. TypeScript's rapid adoption reflects the growing preference for type safety in large-scale applications.

WEB & DEVELOPMENT FRAMEWORKS

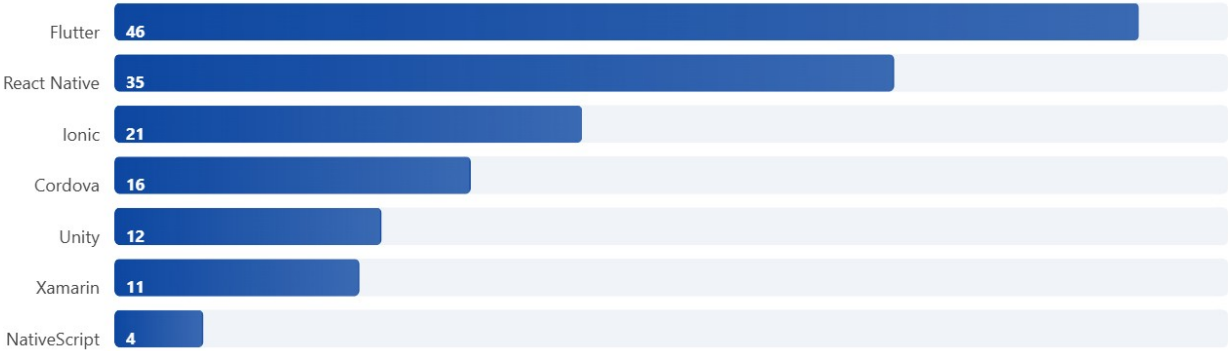
Most Utilized Web Frameworks Among Developers Worldwide 2025 (%)



Node.js is the most widely used web framework, used by 40.8% of developers. React leads the frontend JavaScript frameworks. Vue.js, Angular and Next.js round out the top 5. The rise of full-stack frameworks like Next.js, Nuxt, and Remix reflects developers' preference for unified development experiences.

CROSS-PLATFORM MOBILE FRAMEWORKS

Cross-Platform Mobile Frameworks Used by Developers Globally 2019–2023 (%)



Flutter has risen to become the most widely used cross-platform mobile framework at 46% developer adoption, overtaking React Native. Ionic and Cordova remain significant. The shift toward Flutter reflects Google's investment in Dart/Flutter tooling and its strong performance on both Android and iOS.

MOBILE TARGET OS

Mobile Operating Systems Targeted by Developers Globally 2023 (%)

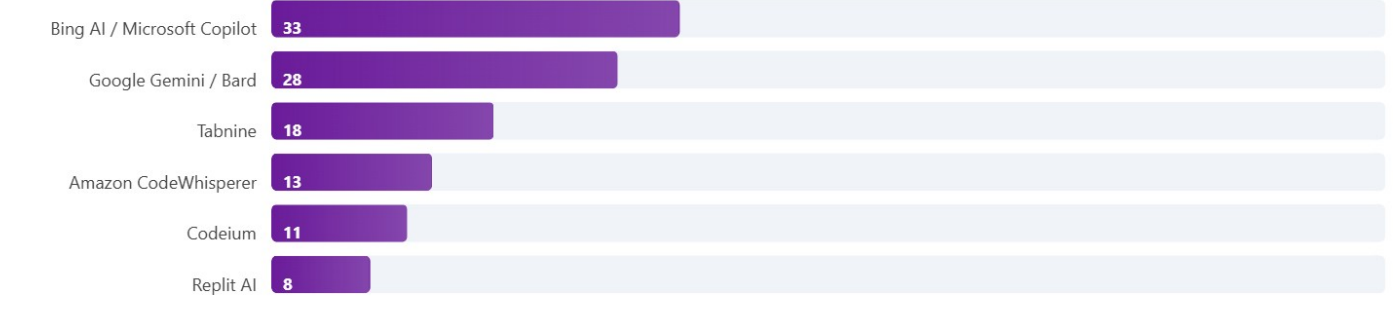


Android remains the primary target platform for mobile developers at approximately 44%, reflecting its dominant global market share of over 70%. A growing proportion of developers (28%) target both platforms simultaneously using cross-platform frameworks, reducing the need to maintain separate native codebases.

AI TOOLS IN DEVELOPMENT

Most Popular Uses of AI in the Development Workflow Globally 2024 (%)

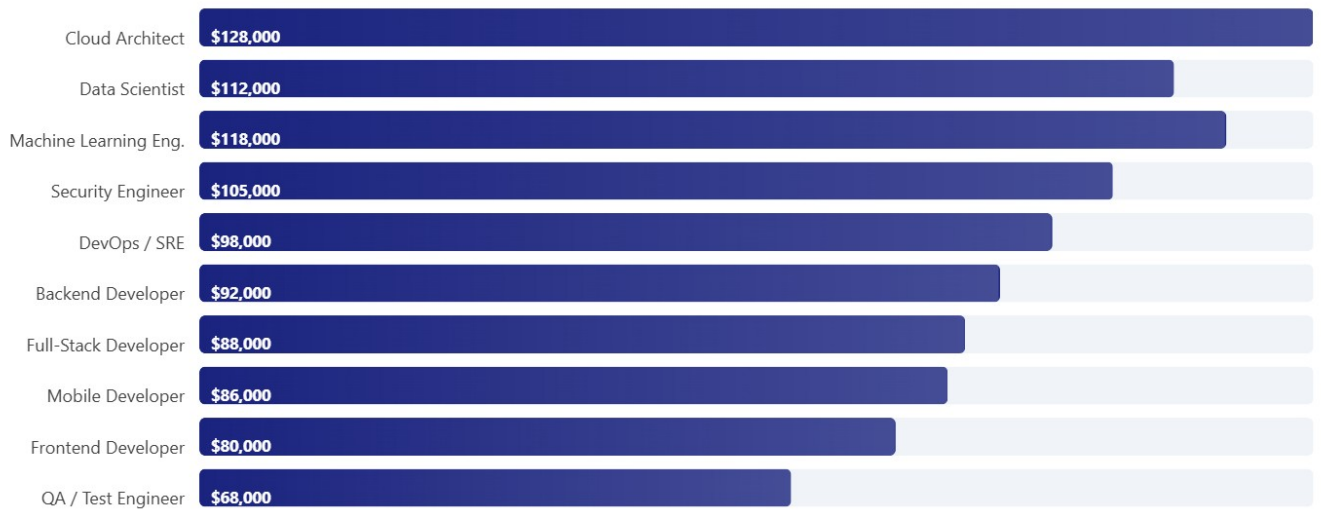




AI is fundamentally changing how developers write code. ChatGPT is used by 83% of AI-adopting developers, primarily for code generation, debugging, and documentation. GitHub Copilot is the most widely used dedicated coding AI, with 55% adoption among developers who use AI tools regularly.

DEVELOPER REMUNERATION

Average Software Developer Remuneration Globally 2024 by Role (thousand USD/year)



Cloud/DevOps engineers and data scientists command the highest median salaries globally. Security engineers have seen the fastest compensation growth driven by demand. QA and junior developer roles tend to be more commoditised, though AI-augmented testing is starting to reshape this segment.

APP DOWNLOADS

Number of iOS and Google Play App Downloads Q1 2024 (billions)



Google Play dominates app download volume with approximately 25 billion downloads in Q1 2024, more than double the iOS App Store. However, Apple's App Store generates significantly higher revenue per download, driven by its higher-income user base and stronger in-app purchase conversion rates.

ENTERPRISE APPLICATION MARKET GROWTH

Enterprise Application Software Revenue 2017–2029 (billion USD)



2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027

Enterprise application software revenue is projected to grow from \$172 billion in 2017 to \$690 billion by 2029 — a 4× expansion in 12 years. AI-enhanced ERP, cloud HCM, and intelligent supply chain platforms are the key growth drivers heading into 2025–2029.