



## Welcome

### Hello world!

Thank you for taking the 2024 Stack Overflow Developer Survey, the longest running survey of software developers (and anyone else who codes!) on Earth.

There are seven sections in this survey. The 2nd, 3rd, 4th, and 5th sections will appear in a random order.

1. Basic Information
2. Education, Work, and Career
3. Technology and Tech Culture
4. Stack Overflow Usage + Community
5. Artificial Intelligence
6. Professional Developer Series (Optional)
7. Final Questions

Most questions in this survey are optional. Required questions are marked with \*. This anonymous survey will take about 15 minutes to complete. We encourage you to complete it in one sitting.

### **If you use security or ad-blocking plugins, you may see error messages**

Our third-party software provider, Qualtrics, does not work well with certain ad blockers and security software. To avoid error messages that prevent you from taking the survey, please try specifically unblocking Qualtrics in your plugin or pausing the plugin while you take the survey.

To begin, click **Next**.

## Consent Statement

### You consent to providing your information to help us stay privacy compliant

Your participation in this survey is completely anonymous. As in previous years, anonymized results of the survey will be made publicly available under the Open Database License, where anyone can download and analyze the data. On that note, throughout the survey, certain answers you and your peers give will be treated as personally identifiable information, and therefore kept out of the anonymized results file. The information gathered via this survey is made available to the public in the spirit of community which Stack Overflow was founded and to serve as a resource for everyone who codes.

By selecting "I agree" and submitting this survey, you acknowledge that you voluntarily consent to your anonymous answers being made publicly available.

- ☐ I agree
- ☐ I do not agree (selecting this will end the survey)

## Qualification

## Basic Information

The first section will focus on some basic information about who you are.

Most questions in this section are required. Required questions are noted with \*.

✓ Which of the following options best describes you today? For the purpose of this survey, a developer is "someone who writes code".\*

- ☐ I am a developer by profession
- ☐ I am not primarily a developer, but I write code sometimes as part of my work/studies
- ☐ I used to be a developer by profession, but no longer am
- ☐ I am learning to code
- ☐ I code primarily as a hobby
- ☐ None of these

✓ What is your 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

## Employment

✓ Which of the following best describes your current employment status? Select all that apply.\*

- ☐ Employed, full-time
- ☐ Employed, part-time

- ☐ Independent contractor, freelancer, or self-employed
- ☐ Not employed, but looking for work
- ☐ Not employed, and not looking for work
- ☐ Student, full-time
- ☐ Student, part-time
- ☐ Retired
- ☐ I prefer not to say

✓ Which best describes your current work situation?

- ☐ Remote
- ☐ In-person
- ☐ Hybrid (some remote, some in-person)

Just checking to make sure you are paying attention to the survey questions.  
Select 'Apples' from the list and you can get back to the survey.\*

- ☐ Learning
- ☐ Writing code
- ☐ Apples
- ☐ Deployment
- ☐  Other:

✓ Which of the following best describes the code you write outside of work? Select all that apply.

- ☐ Hobby
- ☐ Freelance/contract work
- ☐ Contribute to open-source projects
- ☐ Bootstrapping a business
- ☐ School or academic work

- ☐ Professional development or self-paced learning from online courses
- ☐ I don't code outside of work
- ☐  Other (please specify):

## 2 - Education + Work + Career

### Education, work, and career

This section will focus on your education, work, and career.

Most questions in this section are optional. Required questions are noted with \*.

✓ Which of the following best describes the highest level of formal education that you've completed? \*

- ☐ Primary/elementary school
- ☐ Secondary school (e.g. American high school, German Realschule or Gymnasium, etc.)
- ☐ Some college/university study without earning a degree
- ☐ Associate degree (A.A., A.S., etc.)
- ☐ Bachelor's degree (B.A., B.S., B.Eng., etc.)
- ☐ Master's degree (M.A., M.S., M.Eng., MBA, etc.)
- ☐ Professional degree (JD, MD, Ph.D, Ed.D, etc.)
- ☐ Something else

— How do you learn to code? Select all that apply.

- ☐ Books / Physical media
- ☐ Coding Bootcamp
- ☐ Colleague
- ☐ Friend or family member
- ☐ Online Courses or Certification

- ☐ On the job training
- ☐ Other online resources (e.g., videos, blogs, forum, online community)
- ☐ School (i.e., University, College, etc)
- ☐  Other (please specify):

What online resources do you use to learn to code? Select all that apply.

- ☐ Stack Overflow
- ☐ Blogs
- ☐ Online community (including social media)
- ☐ Video-based online courses
- ☐ Online challenges (e.g., daily or weekly coding challenges)
- ☐ Coding sessions (live or recorded)
- ☐ Written-based online courses
- ☐ How-to videos
- ☐ Auditory material (e.g., podcasts)
- ☐ Technical documentation
- ☐ Certification videos
- ☐ Books
- ☐ Games that teach programming
- ☐ AI chatbot or other tool
- ☐ Written tutorials
- ☐ Interactive tutorial
- ☐  Other (please specify):

What is the source of the technical documentation you use most often to learn to code? Select all that apply.

- ☐ API document(s) and/or SDK document(s)
- ☐ User guides or README files found in the source repository
- ☐ First-party knowledge base
- ☐ Traditional public search engine

- ☐ AI-powered search/dev tool (free)
- ☐ AI-powered search/dev tool (paid)
- ☐  Other (please specify):

✓ Including any education, how many years have you been coding in total?

✓ NOT including education, how many years have you coded professionally (as a part of your work)?

✓ Which of the following describes your current job, the one you do most of the time?  
Please select only one.

- ☐ Academic researcher
- ☐ Blockchain
- ☐ Cloud infrastructure engineer
- ☐ Data or business analyst
- ☐ Data engineer
- ☐ Data scientist or machine learning specialist
- ☐ Database administrator
- ☐ Designer
- ☐ Developer Advocate
- ☐ Developer, AI
- ☐ Developer, back-end
- ☐ Developer, desktop or enterprise applications
- ☐ Developer, embedded applications or devices
- ☐ Developer Experience
- ☐ Developer, front-end
- ☐ Developer, full-stack

- ☐ Developer, game or graphics
- ☐ Developer, mobile
- ☐ Developer, QA or test
- ☐ DevOps specialist
- ☐ Educator
- ☐ Engineer, site reliability
- ☐ Engineering manager
- ☐ Hardware Engineer
- ☐ Marketing or sales professional
- ☐ Product manager
- ☐ Project manager
- ☐ Research & Development role
- ☐ Scientist
- ☐ Senior Executive (C-Suite, VP, etc.)
- ☐ Student
- ☐ System administrator
- ☐ Security professional
- ☐  Other (please specify):

✓ Approximately how many people are employed by the company or organization you currently work for? This should only include your primary company, and not the entire holding or parent company if that applies.

- ☐ Just me - I am a freelancer, sole proprietor, etc.
- ☐ 2 to 9 employees
- ☐ 10 to 19 employees
- ☐ 20 to 99 employees
- ☐ 100 to 499 employees
- ☐ 500 to 999 employees
- ☐ 1,000 to 4,999 employees
- ☐ 5,000 to 9,999 employees
- ☐ 10,000 or more employees
- ☐ I don't know



What level of influence do you, personally, have over new technology purchases at your organization?

- ☐ I have little or no influence
- ☐ I have some influence
- ☐ I have a great deal of influence

When buying a new tool or software, how do you discover and research available solutions? Select all that apply.

- ☐ Start a free trial
- ☐ Ask developers I know/work with
- ☐ Ask a generative AI tool
- ☐ Visit developer communities like Stack Overflow
- ☐ Read ratings or reviews on third party sites like G2 Crowd
- ☐ Research companies that have advertised on sites I visit
- ☐ Research companies that have emailed me
- ☐  Other (please specify):

When asked to provide a recommendation for solving a problem at work with a new tool or software, what has been your most recent choice of the following?

- ☐ Out-of-the-box is ready to go with little need for customization
- ☐ Is ready-to-go but also customizable for growth and targeted use cases
- ☐ Is set up to be customized and needs to be engineered into a usable product

What product feature do you care about most when endorsing a technology purchase? Select all that apply.

- ☐ APIs
- ☐ Customization

- ☐ Integrated developer community
- ☐ Connected to an open source project
- ☐ Quality support system
- ☐ AI tool integration
- ☐ Reputation for quality and excellence
- ☐ Frequent updates to features
- ☐ Other:

✓ Where do you live? \*

✓ Which currency do you use day-to-day? If your answer is complicated, please pick the one you're most comfortable estimating in. \*

✓ What is your current total **annual** compensation (salary, bonuses, and perks, before taxes and deductions)? Please enter a whole number in the box below, without any punctuation. If you are paid hourly, please estimate an equivalent yearly salary. If you prefer not to answer, please leave the box empty.

### 3 - Tech and Tech Culture

#### Tech and tech culture

The next set of questions will focus on technology and tech culture.

Most questions in this section are optional. Required questions are noted with \*.

Which **programming, scripting, and markup languages** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If you both worked with the language and want to continue to do so, please check both boxes in that row.)

	Worked with in PAST year	Want to work with NEXT year
Ada	<input type="checkbox"/>	<input type="checkbox"/>
Apex	<input type="checkbox"/>	<input type="checkbox"/>
Assembly	<input type="checkbox"/>	<input type="checkbox"/>
Bash/Shell (all shells)	<input type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>	<input type="checkbox"/>
C#	<input type="checkbox"/>	<input type="checkbox"/>
C++	<input type="checkbox"/>	<input type="checkbox"/>
Clojure	<input type="checkbox"/>	<input type="checkbox"/>
Cobol	<input type="checkbox"/>	<input type="checkbox"/>
Crystal	<input type="checkbox"/>	<input type="checkbox"/>
Dart	<input type="checkbox"/>	<input type="checkbox"/>
Delphi	<input type="checkbox"/>	<input type="checkbox"/>
Elixir	<input type="checkbox"/>	<input type="checkbox"/>
Erlang	<input type="checkbox"/>	<input type="checkbox"/>
F#	<input type="checkbox"/>	<input type="checkbox"/>
Fortran	<input type="checkbox"/>	<input type="checkbox"/>
GDScript	<input type="checkbox"/>	<input type="checkbox"/>
Go	<input type="checkbox"/>	<input type="checkbox"/>
Groovy	<input type="checkbox"/>	<input type="checkbox"/>
Haskell	<input type="checkbox"/>	<input type="checkbox"/>

	Worked with in PAST year	Want to work with NEXT year
HTML/CSS	<input type="checkbox"/>	<input type="checkbox"/>
Java	<input type="checkbox"/>	<input type="checkbox"/>
JavaScript	<input type="checkbox"/>	<input type="checkbox"/>
Julia	<input type="checkbox"/>	<input type="checkbox"/>
Kotlin	<input type="checkbox"/>	<input type="checkbox"/>
Lisp	<input type="checkbox"/>	<input type="checkbox"/>
Lua	<input type="checkbox"/>	<input type="checkbox"/>
MATLAB	<input type="checkbox"/>	<input type="checkbox"/>
MicroPython	<input type="checkbox"/>	<input type="checkbox"/>
Nim	<input type="checkbox"/>	<input type="checkbox"/>
Objective-C	<input type="checkbox"/>	<input type="checkbox"/>
OCaml	<input type="checkbox"/>	<input type="checkbox"/>
Perl	<input type="checkbox"/>	<input type="checkbox"/>
PHP	<input type="checkbox"/>	<input type="checkbox"/>
PowerShell	<input type="checkbox"/>	<input type="checkbox"/>
Prolog	<input type="checkbox"/>	<input type="checkbox"/>
Python	<input type="checkbox"/>	<input type="checkbox"/>
R	<input type="checkbox"/>	<input type="checkbox"/>
Ruby	<input type="checkbox"/>	<input type="checkbox"/>
Rust	<input type="checkbox"/>	<input type="checkbox"/>
Scala	<input type="checkbox"/>	<input type="checkbox"/>
Solidity	<input type="checkbox"/>	<input type="checkbox"/>
SQL	<input type="checkbox"/>	<input type="checkbox"/>
Swift	<input type="checkbox"/>	<input type="checkbox"/>
TypeScript	<input type="checkbox"/>	<input type="checkbox"/>
VBA	<input type="checkbox"/>	<input type="checkbox"/>
Visual Basic (.Net)	<input type="checkbox"/>	<input type="checkbox"/>

	Worked with in PAST year	Want to work with NEXT year
Zephyr	<input type="checkbox"/>	<input type="checkbox"/>
Zig	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <div></div>	<input type="checkbox"/>	<input type="checkbox"/>

✓ Which **database environments** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If you both worked with the database and want to continue to do so, please check both boxes in that row.)

	Worked with in PAST year	Want to work with NEXT year
BigQuery	<input type="checkbox"/>	<input type="checkbox"/>
Cassandra	<input type="checkbox"/>	<input type="checkbox"/>
Clickhouse	<input type="checkbox"/>	<input type="checkbox"/>
Cloud Firestore	<input type="checkbox"/>	<input type="checkbox"/>
Cockroachdb	<input type="checkbox"/>	<input type="checkbox"/>
Cosmos DB	<input type="checkbox"/>	<input type="checkbox"/>
Couch DB	<input type="checkbox"/>	<input type="checkbox"/>
Couchbase	<input type="checkbox"/>	<input type="checkbox"/>
Databricks SQL	<input type="checkbox"/>	<input type="checkbox"/>
Datomic	<input type="checkbox"/>	<input type="checkbox"/>
DuckDB	<input type="checkbox"/>	<input type="checkbox"/>
Dynamodb	<input type="checkbox"/>	<input type="checkbox"/>
Elasticsearch	<input type="checkbox"/>	<input type="checkbox"/>
EventStoreDB	<input type="checkbox"/>	<input type="checkbox"/>
Firebase Realtime Database	<input type="checkbox"/>	<input type="checkbox"/>
Firebird	<input type="checkbox"/>	<input type="checkbox"/>

	Worked with in PAST year	Want to work with NEXT year
H2	<input type="checkbox"/>	<input type="checkbox"/>
IBM DB2	<input type="checkbox"/>	<input type="checkbox"/>
InfluxDB	<input type="checkbox"/>	<input type="checkbox"/>
MariaDB	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Access	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft SQL Server	<input type="checkbox"/>	<input type="checkbox"/>
MongoDB	<input type="checkbox"/>	<input type="checkbox"/>
MySQL	<input type="checkbox"/>	<input type="checkbox"/>
Neo4J	<input type="checkbox"/>	<input type="checkbox"/>
Oracle	<input type="checkbox"/>	<input type="checkbox"/>
PostgreSQL	<input type="checkbox"/>	<input type="checkbox"/>
Presto	<input type="checkbox"/>	<input type="checkbox"/>
RavenDB	<input type="checkbox"/>	<input type="checkbox"/>
Redis	<input type="checkbox"/>	<input type="checkbox"/>
Snowflake	<input type="checkbox"/>	<input type="checkbox"/>
Solr	<input type="checkbox"/>	<input type="checkbox"/>
SQLite	<input type="checkbox"/>	<input type="checkbox"/>
Supabase	<input type="checkbox"/>	<input type="checkbox"/>
TiDB	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Which **cloud platforms** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If you both worked with the platform and want to continue to do so, please check both boxes in that row.)

	Worked with in PAST year	Want to work with NEXT year
Alibaba Cloud	<input type="checkbox"/>	<input type="checkbox"/>
Amazon Web Services (AWS)	<input type="checkbox"/>	<input type="checkbox"/>
Cloudflare	<input type="checkbox"/>	<input type="checkbox"/>
Colocation	<input type="checkbox"/>	<input type="checkbox"/>
Databricks	<input type="checkbox"/>	<input type="checkbox"/>
Digital Ocean	<input type="checkbox"/>	<input type="checkbox"/>
Firebase	<input type="checkbox"/>	<input type="checkbox"/>
Fly.io	<input type="checkbox"/>	<input type="checkbox"/>
Google Cloud	<input type="checkbox"/>	<input type="checkbox"/>
Heroku	<input type="checkbox"/>	<input type="checkbox"/>
Hetzner	<input type="checkbox"/>	<input type="checkbox"/>
IBM Cloud Or Watson	<input type="checkbox"/>	<input type="checkbox"/>
Linode	<input type="checkbox"/>	<input type="checkbox"/>
Managed Hosting	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Azure	<input type="checkbox"/>	<input type="checkbox"/>
Netlify	<input type="checkbox"/>	<input type="checkbox"/>
OpenShift	<input type="checkbox"/>	<input type="checkbox"/>
OpenStack	<input type="checkbox"/>	<input type="checkbox"/>
Oracle Cloud Infrastructure (OCI)	<input type="checkbox"/>	<input type="checkbox"/>
OVH	<input type="checkbox"/>	<input type="checkbox"/>
PythonAnywhere	<input type="checkbox"/>	<input type="checkbox"/>
Render	<input type="checkbox"/>	<input type="checkbox"/>
Scaleway	<input type="checkbox"/>	<input type="checkbox"/>
Supabase	<input type="checkbox"/>	<input type="checkbox"/>
Vercel	<input type="checkbox"/>	<input type="checkbox"/>
VMware	<input type="checkbox"/>	<input type="checkbox"/>
Vultr	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in PAST year

Want to work with NEXT year

Other (please specify):

☐☐

Which **web frameworks and web technologies** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If you both worked with the framework and want to continue to do so, please check both boxes in that row.)

Worked with in PAST year

Want to work with NEXT year

Angular	<input type="checkbox"/>	<input type="checkbox"/>
AngularJS	<input type="checkbox"/>	<input type="checkbox"/>
ASP.NET	<input type="checkbox"/>	<input type="checkbox"/>
ASP.NET CORE	<input type="checkbox"/>	<input type="checkbox"/>
Astro	<input type="checkbox"/>	<input type="checkbox"/>
Blazor	<input type="checkbox"/>	<input type="checkbox"/>
CodeIgniter	<input type="checkbox"/>	<input type="checkbox"/>
Deno	<input type="checkbox"/>	<input type="checkbox"/>
Django	<input type="checkbox"/>	<input type="checkbox"/>
Drupal	<input type="checkbox"/>	<input type="checkbox"/>
Elm	<input type="checkbox"/>	<input type="checkbox"/>
Express	<input type="checkbox"/>	<input type="checkbox"/>
FastAPI	<input type="checkbox"/>	<input type="checkbox"/>
Fastify	<input type="checkbox"/>	<input type="checkbox"/>
Flask	<input type="checkbox"/>	<input type="checkbox"/>
Gatsby	<input type="checkbox"/>	<input type="checkbox"/>
Htmx	<input type="checkbox"/>	<input type="checkbox"/>
jQuery	<input type="checkbox"/>	<input type="checkbox"/>



	Worked with in PAST year	Want to work with NEXT year
Laravel	<input type="checkbox"/>	<input type="checkbox"/>
NestJS	<input type="checkbox"/>	<input type="checkbox"/>
Next.js	<input type="checkbox"/>	<input type="checkbox"/>
Node.js	<input type="checkbox"/>	<input type="checkbox"/>
Nuxt.js	<input type="checkbox"/>	<input type="checkbox"/>
Phoenix	<input type="checkbox"/>	<input type="checkbox"/>
Play Framework	<input type="checkbox"/>	<input type="checkbox"/>
React	<input type="checkbox"/>	<input type="checkbox"/>
Remix	<input type="checkbox"/>	<input type="checkbox"/>
Ruby on Rails	<input type="checkbox"/>	<input type="checkbox"/>
Solid.js	<input type="checkbox"/>	<input type="checkbox"/>
Spring Boot	<input type="checkbox"/>	<input type="checkbox"/>
Strapi	<input type="checkbox"/>	<input type="checkbox"/>
Svelte	<input type="checkbox"/>	<input type="checkbox"/>
Symfony	<input type="checkbox"/>	<input type="checkbox"/>
Vue.js	<input type="checkbox"/>	<input type="checkbox"/>
WordPress	<input type="checkbox"/>	<input type="checkbox"/>
Yii 2	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Which **embedded systems and technologies** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If you both worked with the framework and want to continue to do so, please check both boxes in that row.)

	Worked with in PAST year	Want to work with NEXT year
Arduino	<input type="checkbox"/>	<input type="checkbox"/>
Boost.Test	<input type="checkbox"/>	<input type="checkbox"/>
build2	<input type="checkbox"/>	<input type="checkbox"/>
Catch2	<input type="checkbox"/>	<input type="checkbox"/>
CMake	<input type="checkbox"/>	<input type="checkbox"/>
Cargo	<input type="checkbox"/>	<input type="checkbox"/>
cppunit	<input type="checkbox"/>	<input type="checkbox"/>
CUTE	<input type="checkbox"/>	<input type="checkbox"/>
doctest	<input type="checkbox"/>	<input type="checkbox"/>
GNU GCC	<input type="checkbox"/>	<input type="checkbox"/>
LLVM's Clang	<input type="checkbox"/>	<input type="checkbox"/>
Meson	<input type="checkbox"/>	<input type="checkbox"/>
Micronaut	<input type="checkbox"/>	<input type="checkbox"/>
MSVC	<input type="checkbox"/>	<input type="checkbox"/>
Ninja	<input type="checkbox"/>	<input type="checkbox"/>
PlatformIO	<input type="checkbox"/>	<input type="checkbox"/>
QMake	<input type="checkbox"/>	<input type="checkbox"/>
Raspberry Pi	<input type="checkbox"/>	<input type="checkbox"/>
SCons	<input type="checkbox"/>	<input type="checkbox"/>
ZMK	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Which **other frameworks and libraries** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If

you both worked with the framework and want to continue to do so, please check both boxes in that row.)

	Worked with in PAST year	Want to work with NEXT year
.NET (5+)	<input type="checkbox"/>	<input type="checkbox"/>
.NET Framework (1.0 - 4.8)	<input type="checkbox"/>	<input type="checkbox"/>
.NET MAUI	<input type="checkbox"/>	<input type="checkbox"/>
Apache Kafka	<input type="checkbox"/>	<input type="checkbox"/>
Apache Spark	<input type="checkbox"/>	<input type="checkbox"/>
Capacitor	<input type="checkbox"/>	<input type="checkbox"/>
Cordova	<input type="checkbox"/>	<input type="checkbox"/>
CUDA	<input type="checkbox"/>	<input type="checkbox"/>
DirectX	<input type="checkbox"/>	<input type="checkbox"/>
Electron	<input type="checkbox"/>	<input type="checkbox"/>
Flutter	<input type="checkbox"/>	<input type="checkbox"/>
GTK	<input type="checkbox"/>	<input type="checkbox"/>
Hadoop	<input type="checkbox"/>	<input type="checkbox"/>
Hugging Face Transformers	<input type="checkbox"/>	<input type="checkbox"/>
Ionic	<input type="checkbox"/>	<input type="checkbox"/>
JAX	<input type="checkbox"/>	<input type="checkbox"/>
Keras	<input type="checkbox"/>	<input type="checkbox"/>
Ktor	<input type="checkbox"/>	<input type="checkbox"/>
MFC	<input type="checkbox"/>	<input type="checkbox"/>
mlflow	<input type="checkbox"/>	<input type="checkbox"/>
Numpy	<input type="checkbox"/>	<input type="checkbox"/>
OpenCL	<input type="checkbox"/>	<input type="checkbox"/>
Opencv	<input type="checkbox"/>	<input type="checkbox"/>
OpenGL	<input type="checkbox"/>	<input type="checkbox"/>

	Worked with in PAST year	Want to work with NEXT year
Pandas	<input type="checkbox"/>	<input type="checkbox"/>
Qt	<input type="checkbox"/>	<input type="checkbox"/>
Quarkus	<input type="checkbox"/>	<input type="checkbox"/>
RabbitMQ	<input type="checkbox"/>	<input type="checkbox"/>
React Native	<input type="checkbox"/>	<input type="checkbox"/>
Roslyn	<input type="checkbox"/>	<input type="checkbox"/>
Ruff	<input type="checkbox"/>	<input type="checkbox"/>
Scikit-Learn	<input type="checkbox"/>	<input type="checkbox"/>
Spring Framework	<input type="checkbox"/>	<input type="checkbox"/>
SwiftUI	<input type="checkbox"/>	<input type="checkbox"/>
Tauri	<input type="checkbox"/>	<input type="checkbox"/>
TensorFlow	<input type="checkbox"/>	<input type="checkbox"/>
Tidyverse	<input type="checkbox"/>	<input type="checkbox"/>
Torch/PyTorch	<input type="checkbox"/>	<input type="checkbox"/>
Xamarin	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Which **developer tools for compiling, building and testing** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If you both worked with the technology and want to continue to do so, please check both boxes in that row.)

	Worked with in PAST year	Want to work with NEXT year
Ansible	<input type="checkbox"/>	<input type="checkbox"/>
Ant	<input type="checkbox"/>	<input type="checkbox"/>
APT	<input type="checkbox"/>	<input type="checkbox"/>

	Worked with in PAST year	Want to work with NEXT year
Bun	<input type="checkbox"/>	<input type="checkbox"/>
Chef	<input type="checkbox"/>	<input type="checkbox"/>
Chocolatey	<input type="checkbox"/>	<input type="checkbox"/>
Composer	<input type="checkbox"/>	<input type="checkbox"/>
Dagger	<input type="checkbox"/>	<input type="checkbox"/>
Docker	<input type="checkbox"/>	<input type="checkbox"/>
Godot	<input type="checkbox"/>	<input type="checkbox"/>
Google Test	<input type="checkbox"/>	<input type="checkbox"/>
Gradle	<input type="checkbox"/>	<input type="checkbox"/>
Homebrew	<input type="checkbox"/>	<input type="checkbox"/>
Kubernetes	<input type="checkbox"/>	<input type="checkbox"/>
Make	<input type="checkbox"/>	<input type="checkbox"/>
Maven (build tool)	<input type="checkbox"/>	<input type="checkbox"/>
MSBuild	<input type="checkbox"/>	<input type="checkbox"/>
Ninja	<input type="checkbox"/>	<input type="checkbox"/>
Nix	<input type="checkbox"/>	<input type="checkbox"/>
npm	<input type="checkbox"/>	<input type="checkbox"/>
NuGet	<input type="checkbox"/>	<input type="checkbox"/>
Pacman	<input type="checkbox"/>	<input type="checkbox"/>
Pip	<input type="checkbox"/>	<input type="checkbox"/>
pnpm	<input type="checkbox"/>	<input type="checkbox"/>
Podman	<input type="checkbox"/>	<input type="checkbox"/>
Pulumi	<input type="checkbox"/>	<input type="checkbox"/>
Puppet	<input type="checkbox"/>	<input type="checkbox"/>
Terraform	<input type="checkbox"/>	<input type="checkbox"/>
Unity 3D	<input type="checkbox"/>	<input type="checkbox"/>
Unreal Engine	<input type="checkbox"/>	<input type="checkbox"/>

	Worked with in PAST year	Want to work with NEXT year
Visual Studio Solution	<input type="checkbox"/>	<input type="checkbox"/>
Vite	<input type="checkbox"/>	<input type="checkbox"/>
Webpack	<input type="checkbox"/>	<input type="checkbox"/>
Yarn	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <div></div>	<input type="checkbox"/>	<input type="checkbox"/>

Which **development environments** did you use regularly over the past year, and which do you want to work with over the next year? Please check all that apply.

	Worked with in PAST year	Want to work with NEXT year
Android Studio	<input type="checkbox"/>	<input type="checkbox"/>
BEdit	<input type="checkbox"/>	<input type="checkbox"/>
CLion	<input type="checkbox"/>	<input type="checkbox"/>
Code::Blocks	<input type="checkbox"/>	<input type="checkbox"/>
DataGrip	<input type="checkbox"/>	<input type="checkbox"/>
Eclipse	<input type="checkbox"/>	<input type="checkbox"/>
Emacs	<input type="checkbox"/>	<input type="checkbox"/>
Fleet	<input type="checkbox"/>	<input type="checkbox"/>
Geany	<input type="checkbox"/>	<input type="checkbox"/>
Goland	<input type="checkbox"/>	<input type="checkbox"/>
Helix	<input type="checkbox"/>	<input type="checkbox"/>
IntelliJ IDEA	<input type="checkbox"/>	<input type="checkbox"/>
IPython	<input type="checkbox"/>	<input type="checkbox"/>
Jupyter Notebook/JupyterLab	<input type="checkbox"/>	<input type="checkbox"/>
Kate	<input type="checkbox"/>	<input type="checkbox"/>
Nano	<input type="checkbox"/>	<input type="checkbox"/>

	Worked with in PAST year	Want to work with NEXT year
Neovim	<input type="checkbox"/>	<input type="checkbox"/>
Netbeans	<input type="checkbox"/>	<input type="checkbox"/>
Notepad++	<input type="checkbox"/>	<input type="checkbox"/>
PhpStorm	<input type="checkbox"/>	<input type="checkbox"/>
PyCharm	<input type="checkbox"/>	<input type="checkbox"/>
Qt Creator	<input type="checkbox"/>	<input type="checkbox"/>
Rad Studio (Delphi, C++ Builder)	<input type="checkbox"/>	<input type="checkbox"/>
Rider	<input type="checkbox"/>	<input type="checkbox"/>
RStudio	<input type="checkbox"/>	<input type="checkbox"/>
RubyMine	<input type="checkbox"/>	<input type="checkbox"/>
Spacemacs	<input type="checkbox"/>	<input type="checkbox"/>
Spyder	<input type="checkbox"/>	<input type="checkbox"/>
Sublime Text	<input type="checkbox"/>	<input type="checkbox"/>
Vim	<input type="checkbox"/>	<input type="checkbox"/>
Visual Studio	<input type="checkbox"/>	<input type="checkbox"/>
Visual Studio Code	<input type="checkbox"/>	<input type="checkbox"/>
VSCodium	<input type="checkbox"/>	<input type="checkbox"/>
WebStorm	<input type="checkbox"/>	<input type="checkbox"/>
Xcode	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <div></div>	<input type="checkbox"/>	<input type="checkbox"/>

What is the primary **operating system** in which you work?

	Personal use	Professional use
AIX	<input type="checkbox"/>	<input type="checkbox"/>
Android	<input type="checkbox"/>	<input type="checkbox"/>

	Personal use	Professional use
Arch	<input type="checkbox"/>	<input type="checkbox"/>
BSD	<input type="checkbox"/>	<input type="checkbox"/>
ChromeOS	<input type="checkbox"/>	<input type="checkbox"/>
Cygwin	<input type="checkbox"/>	<input type="checkbox"/>
Debian	<input type="checkbox"/>	<input type="checkbox"/>
Fedora	<input type="checkbox"/>	<input type="checkbox"/>
Haiku	<input type="checkbox"/>	<input type="checkbox"/>
iOS	<input type="checkbox"/>	<input type="checkbox"/>
iPadOS	<input type="checkbox"/>	<input type="checkbox"/>
MacOS	<input type="checkbox"/>	<input type="checkbox"/>
Other Linux-based	<input type="checkbox"/>	<input type="checkbox"/>
Red Hat	<input type="checkbox"/>	<input type="checkbox"/>
Solaris	<input type="checkbox"/>	<input type="checkbox"/>
Ubuntu	<input type="checkbox"/>	<input type="checkbox"/>
Windows	<input type="checkbox"/>	<input type="checkbox"/>
Windows Subsystem for Linux (WSL)	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Which **collaborative work management and/or code documentation tools** did you use regularly over the past year, and which do you want to work with over the next year? Select all that apply

	Worked with in PAST year	Want to work with NEXT year
Airtable	<input type="checkbox"/>	<input type="checkbox"/>
Asana	<input type="checkbox"/>	<input type="checkbox"/>
Azure Devops	<input type="checkbox"/>	<input type="checkbox"/>



	Worked with in PAST year	Want to work with NEXT year
Basecamp	<input type="checkbox"/>	<input type="checkbox"/>
Clickup	<input type="checkbox"/>	<input type="checkbox"/>
Confluence	<input type="checkbox"/>	<input type="checkbox"/>
Doxygen	<input type="checkbox"/>	<input type="checkbox"/>
GitHub Discussions	<input type="checkbox"/>	<input type="checkbox"/>
Jira	<input type="checkbox"/>	<input type="checkbox"/>
Linear	<input type="checkbox"/>	<input type="checkbox"/>
Lucid	<input type="checkbox"/>	<input type="checkbox"/>
Markdown File	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Lists	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Planner	<input type="checkbox"/>	<input type="checkbox"/>
Miro	<input type="checkbox"/>	<input type="checkbox"/>
Monday.com	<input type="checkbox"/>	<input type="checkbox"/>
Notion	<input type="checkbox"/>	<input type="checkbox"/>
Obsidian	<input type="checkbox"/>	<input type="checkbox"/>
Redmine	<input type="checkbox"/>	<input type="checkbox"/>
Shortcut	<input type="checkbox"/>	<input type="checkbox"/>
Smartsheet	<input type="checkbox"/>	<input type="checkbox"/>
Stack Overflow for Teams	<input type="checkbox"/>	<input type="checkbox"/>
Trello	<input type="checkbox"/>	<input type="checkbox"/>
Wikis	<input type="checkbox"/>	<input type="checkbox"/>
YouTrack	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <div></div>	<input type="checkbox"/>	<input type="checkbox"/>

Which **communication tools** did you use regularly over the past year, and which do you want to work with over the next year? Select all that apply

	Worked with in PAST year	Want to work with NEXT year
Cisco Webex Teams	<input type="checkbox"/>	<input type="checkbox"/>
Coolfire Core	<input type="checkbox"/>	<input type="checkbox"/>
Discord	<input type="checkbox"/>	<input type="checkbox"/>
Google Chat	<input type="checkbox"/>	<input type="checkbox"/>
Google Meet	<input type="checkbox"/>	<input type="checkbox"/>
IRC	<input type="checkbox"/>	<input type="checkbox"/>
Jitsi	<input type="checkbox"/>	<input type="checkbox"/>
Matrix	<input type="checkbox"/>	<input type="checkbox"/>
Mattermost	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Teams	<input type="checkbox"/>	<input type="checkbox"/>
Ringcentral	<input type="checkbox"/>	<input type="checkbox"/>
Rocketchat	<input type="checkbox"/>	<input type="checkbox"/>
Signal	<input type="checkbox"/>	<input type="checkbox"/>
Skype	<input type="checkbox"/>	<input type="checkbox"/>
Slack	<input type="checkbox"/>	<input type="checkbox"/>
Symphony	<input type="checkbox"/>	<input type="checkbox"/>
Telegram	<input type="checkbox"/>	<input type="checkbox"/>
Unify Circuit	<input type="checkbox"/>	<input type="checkbox"/>
Whatsapp	<input type="checkbox"/>	<input type="checkbox"/>
Wickr	<input type="checkbox"/>	<input type="checkbox"/>
Wire	<input type="checkbox"/>	<input type="checkbox"/>
Zoom	<input type="checkbox"/>	<input type="checkbox"/>
Zulip	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in PAST year

Want to work with NEXT year

Other (please specify):

Which **AI-powered search and developer tools** did you use regularly over the past year, and which do you want to work with over the next year? Select all that apply.

	Worked with in PAST year	Want to work with NEXT year
Andi	<input type="checkbox"/>	<input type="checkbox"/>
AskCodi	<input type="checkbox"/>	<input type="checkbox"/>
Amazon Q	<input type="checkbox"/>	<input type="checkbox"/>
Bing AI	<input type="checkbox"/>	<input type="checkbox"/>
ChatGPT	<input type="checkbox"/>	<input type="checkbox"/>
Claude	<input type="checkbox"/>	<input type="checkbox"/>
Codeium	<input type="checkbox"/>	<input type="checkbox"/>
Cody	<input type="checkbox"/>	<input type="checkbox"/>
GitHub Copilot	<input type="checkbox"/>	<input type="checkbox"/>
Google Gemini	<input type="checkbox"/>	<input type="checkbox"/>
Lightning AI	<input type="checkbox"/>	<input type="checkbox"/>
Meta AI	<input type="checkbox"/>	<input type="checkbox"/>
Metaphor	<input type="checkbox"/>	<input type="checkbox"/>
Neeva AI	<input type="checkbox"/>	<input type="checkbox"/>
OpenAI Codex	<input type="checkbox"/>	<input type="checkbox"/>
Perplexity AI	<input type="checkbox"/>	<input type="checkbox"/>
Phind	<input type="checkbox"/>	<input type="checkbox"/>
Quora Poe	<input type="checkbox"/>	<input type="checkbox"/>
Replit Ghostwriter	<input type="checkbox"/>	<input type="checkbox"/>

	Worked with in PAST year	Want to work with NEXT year
WolframAlpha	<input type="checkbox"/>	<input type="checkbox"/>
Snyk Code	<input type="checkbox"/>	<input type="checkbox"/>
Tabnine	<input type="checkbox"/>	<input type="checkbox"/>
Visual Studio Intellicode	<input type="checkbox"/>	<input type="checkbox"/>
Whispr AI	<input type="checkbox"/>	<input type="checkbox"/>
You.com	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 4 - Stack Community

### Stack Overflow - usage and community

This section will focus on Stack Overflow usage and community questions.

Most questions in this section are optional. Required questions are noted with \*.

Which of the following Stack Overflow sites have you visited? Select all that apply. \*

- ☐ I have never visited Stack Overflow or the Stack Exchange network
- ☐ Stack Overflow Blog or Podcast
- ☐ Overflow API
- ☐ Stack Overflow for Teams (private knowledge sharing & collaboration platform for companies)
- ☐ Stack Overflow
- ☐ Stack Exchange

How frequently would you say you visit Stack Overflow?

- ☐ Less than once per month or monthly
- ☐ A few times per month or weekly
- ☐ A few times per week
- ☐ Daily or almost daily
- ☐ Multiple times per day

Do you have a Stack Overflow account?

- ☐ Yes
- ☐ No
- ☐ Not sure/can't remember

How frequently would you say you participate in Q&A on Stack Overflow? By participate we mean ask, answer, vote for, or comment on questions.

- ☐ I have never participated in Q&A on Stack Overflow
- ☐ Less than once per month or monthly
- ☐ A few times per month or weekly
- ☐ A few times per week
- ☐ Daily or almost daily
- ☐ Multiple times per day

How do you use Stack Overflow? Select all that apply.

- ☐ Quickly finding code solutions
- ☐ Finding reliable guidance from community-vetted answers
- ☐ Learning new-to-me technology/techniques
- ☐ Learning new-to-everyone technology/techniques
- ☐ Showcase expertise with code solutions
- ☐ Engage with community by commenting on questions and answers or voting on questions and answers

☐

Other (please specify):

Do you consider yourself a member of the Stack Overflow community?

- ☐ No, not at all
- ☐ No, not really
- ☐ Neutral
- ☐ Yes, somewhat
- ☐ Yes, definitely
- ☐ Not sure

Thinking about your personal experience using Stack Overflow, what could we change/improve to make it better for you?

## 5 - Artificial Intelligence

### Artificial Intelligence (AI)

This section will focus on AI usage and sentiment.

Most questions in this section are optional. Required questions are noted with \*.



Do you currently use AI tools in your development process? \*

- ☐ Yes
- ☐ No, but I plan to soon
- ☐ No, and I don't plan to

How favorable is your stance on using AI tools as part of your development workflow?

- ☐ Very favorable
- ☐ Favorable
- ☐ Indifferent
- ☐ Unfavorable
- ☐ Very unfavorable
- ☐ Unsure

For the AI tools you use as part of your development workflow, what are the MOST important benefits you are hoping to achieve? Please check all that apply.

- ☐ Increase productivity
- ☐ Greater efficiency
- ☐ Make workload more manageable
- ☐ Improve collaboration
- ☐ Speed up learning
- ☐ Improve accuracy in coding
- ☐ None of the above
- ☐ Other (please specify):

How much do you trust the accuracy of the output from AI tools as part of your development workflow?

- ☐ Highly trust
- ☐ Somewhat trust
- ☐ Neither trust nor distrust
- ☐ Somewhat distrust
- ☐ Highly distrust

How well do the AI tools you use in your development workflow handle complex tasks?

- ☐ Very well at handling complex tasks
- ☐ Good, but not great at handling complex tasks
- ☐ Neither good or bad at handling complex tasks
- ☐ Bad at handling complex tasks
- ☐ Very poor at handling complex tasks

Which parts of your development workflow are you currently using AI tools for and which are you interested in using AI tools for over the next year? Please select all that apply.

	Currently Using	Interested in Using	Not interested in Using
Learning about a codebase	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Project planning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Writing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Documenting code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Debugging and getting help	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Testing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Committing and reviewing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and monitoring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Predictive analytics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Search for answers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Generating content or synthetic data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <div></div>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Thinking about how your job and process changes over time, how integrated in your workflow do you anticipate AI tools you are currently using will be 1 year from now?

	Much less integrated	Less integrated	No change	More integrated	Much more integrated
» Learning about a codebase	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Project planning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Writing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Documenting code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Debugging and getting help	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Testing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Committing and reviewing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Deployment and monitoring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Predictive analytics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Search for answers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Generating content or synthetic data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Other (please specify): <div></div>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please describe how you would expect your workflow to be different, if at all, in 1 year as a result of AI advancements.

Do you believe AI is a threat to your current job?

☐ Yes

- ☐ No
- ☐ I'm not sure

Which AI ethical responsibilities are most important to you? Select all that apply.

- ☐ Biased results that do not represent diverse viewpoints
- ☐ Circulating misinformation or disinformation
- ☐ Imitating a person's likeness
- ☐ Replacing jobs without options for new employment opportunities
- ☐ Energy demand
- ☐ Missing or incorrect attribution for sources of data
- ☐  Other (please specify):

What are the challenges to your company/whole team using AI code assistants or GenAI tools? Select all that apply.

- ☐ Don't trust the output or answers
- ☐ AI tools lack context of codebase, internal architecture, and/or company knowledge
- ☐ They create more work (more code/PRs to review, etc.)
- ☐ We don't have the right policies in place to reduce security risks
- ☐ Not everyone uses them
- ☐ Lack of executive buy-in
- ☐ Lack of proper training and education on new tools
- ☐ None of the above
- ☐  Other (please specify):

**TeamsBranch**

**Professional Developer Series**

In one of our previous pulse surveys, we saw that people valued being productive and having growth opportunities at work. By adding a **Professional Developer Series** to the survey we want to better understand the things that may impact your productivity and opportunities to learn.

Like the rest of the survey, your responses are completely anonymous. Most questions in this section are optional. Required questions are noted with \*.

Blog post - [Hopping instead of hustling: Survey tells us how developers are taking care of business](#)

- October 26, 2023

Would you like to participate in the Professional Developer Series? \*

- ☐ Yes
- ☐ No

## TeamsQuestions

✓ Are you an individual contributor or people manager?

- ☐ Individual contributor
- ☐ People manager

✓ How many years of working experience do you have?

0 5 10 15 20 25 30 35 40 45 50

Years of work experience

Please rate your level of agreement with the following statement:

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
I have interactions with people outside of my immediate team.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge silos prevent me from getting ideas across the organization (i.e., one individual or team has information that isn't shared with others)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can find up-to-date information within my organization to help me do my job.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am able to quickly find answers to my questions with existing tools and resources.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I know which system or resource to use to find information and answers to questions I have.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often find myself answering questions that I've already answered before.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Waiting on answers to questions often causes interruptions and disrupts my workflow.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel like I have the tools and/or resources to quickly understand and work on any area of my company's code/system/platform.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have asked my employer to reimburse me for tools or a product that helps me do my job better or faster	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## How frequently do you experience each of the following?

Needing help from people outside of your immediate team?

Interacting with people outside of your immediate team?

Encountering knowledge silos (where one individual or team has information that's not shared or distributed with other individuals or teams) at work?

On an average day, how much time do you typically spend searching for answers or solutions to problems you encounter at work? (This includes time spent searching on your own, asking a colleague, and waiting for a response).

☐ Less than 15 minutes a day

- ☐ 15-30 minutes a day
- ☐ 30-60 minutes a day
- ☐ 60-120 minutes a day
- ☐ Over 120 minutes a day

On an average day, how much time do you typically spend answering questions you get asked at work?

- ☐ Less than 15 minutes a day
- ☐ 15-30 minutes a day
- ☐ 30-60 minutes a day
- ☐ 60-120 minutes a day
- ☐ Over 120 minutes a day

Which of these company challenges causes you the most frustration? Select all that apply.

- ☐ Complexity of tech stack for build
- ☐ Complexity of tech stack for deployment
- ☐ Amount of technical debt
- ☐ Number of software tools in use
- ☐ Patching/updating core components
- ☐ Maintaining security of code being produced
- ☐ Maintaining security of systems/platforms used in work
- ☐ Reliability of tools/systems used in work
- ☐ Tracking my work
- ☐ Showing my contributions
- ☐ None of these

My company has:

- ☐ Innersource initiative
- ☐ AI-assisted technology tool(s)
- ☐ DevOps function


- ☐ Microservices
- ☐ Developer portal or other central places to find tools/services
- ☐ Continuous integration (CI) and (more often) continuous delivery
- ☐ Automated testing
- ☐ Observability tools
- ☐ Knowledge sharing community
- ☐ None of these

At my company, our applications, databases and services are hosted:

- ☐ Cloud only (single or multi-cloud)
- ☐ Hybrid (on-prem and cloud)
- ☐ On-prem

When you have a technical question at work, where do you first go to get an answer?

- ☐ A coworker
- ☐ Traditional public search engine
- ☐ AI-powered search (free)
- ☐ AI-powered search (paid)
- ☐ Slack search
- ☐ Microsoft Teams search
- ☐ Internal Developer portal
- ☐ Do search of internal share drives/storage locations for documentation (i.e., not a structured knowledge base)
- ☐  Other:

 What industry is the company you work for in?

- ☐ Software Development
- ☐ Computer Systems Design and Services
- ☐ Internet, Telecomm or Information Services

- ☐ Fintech
- ☐ Energy
- ☐ Government
- ☐ Banking/Financial Services
- ☐ Manufacturing
- ☐ Transportation, or Supply Chain
- ☐ Healthcare
- ☐ Retail and Consumer Services
- ☐ Higher Education
- ☐ Media & Advertising Services
- ☐ Insurance
- ☐

Other:

How satisfied are you in your current professional developer role?

Not at all satisfied

0

1

2

3

4

5

6

7

8

9

10

Extremely satisfied

Assign points to the following attributes of your job according to those that contribute the most to your satisfaction out of 100 total points:

Driving strategy for my team	<div>0</div>
Contributing to open source	<div>0</div>
Securing data and environments	<div>0</div>
Improving quality of code and developer environments	<div>0</div>
Learning and using new technology, including platforms, APIs and libraries	<div>0</div>
Designing and building environments, databases, and all things architecture	<div>0</div>
Being a power user of a tool, developer language or process that others come to for answers and guidance about	<div>0</div>
Working with new and/or top-quality hardware	<div>0</div>

A well-staffed/sourced internal network that makes observability easy so network or runtime issues are addressed and fixed easily

0

Total

0

Does your team use Stack Overflow for Teams?

- ☐ Yes
- ☐ No
- ☐ No, but we want to use it

## FinalThoughtsSurveyReview

## Final Questions

How do you feel about the length of the survey this year?

- ☐ Too short
- ☐ Appropriate in length
- ☐ Too long

How easy or difficult was this survey to complete?

- ☐ Easy
- ☐ Neither easy nor difficult
- ☐ Difficult

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