

# Python Developers Survey 2021

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## language

**Page exit logic:** Skip / Disqualify Logic**IF:** #1 Question "Is Python the main language you use for your current projects?" is one of the following answers ("No, I don't use Python for my current projects") **THEN:** Jump to [page 16 - DEMOGRAPHICS](#)

**Logic:** Show/hide trigger exists.

ID: 7

**Is Python the main language you use for your current projects?\***

- ☐ Yes
- ☐ No, I use Python as a secondary language
- ☐ No, I don't use Python for my current projects

ID: 103

**What other language(s) do you use?\***

- ☐ None
- ☐ Java
- ☐ JavaScript
- ☐ C/C++
- ☐ PHP
- ☐ C#
- ☐ Ruby
- ☐ Bash / Shell
- ☐ Objective-C
- ☐ Go
- ☐ Visual Basic
- ☐ Scala
- ☐ SQL

- ☐ Kotlin
  - ☐ R
  - ☐ Swift
  - ☐ Clojure
  - ☐ Perl
  - ☐ Rust
  - ☐ Groovy
  - ☐ TypeScript
  - ☐ CoffeeScript
  - ☐ HTML/CSS
  - ☐ Other - Write In:: \_\_\_\_\_ \*
- 

## **purpose**

ID: 306

**How long have you been programming in Python?\***

- ☐ Less than 1 year
- ☐ 1–2 years
- ☐ 3–5 years
- ☐ 6–10 years
- ☐ 11+ years

ID: 193

**How many years of professional coding experience do you have?\***

- ☐ Less than 1 year
- ☐ 1–2 years
- ☐ 3–5 years
- ☐ 6–10 years
- ☐ 11+ years

ID: 270

**For what purposes do you mainly use Python?\***

- ☐ For work
- ☐ For personal, educational or side projects
- ☐ Both for work and personal

**Logic: Show/hide trigger exists.**

ID: 219

**What do you use Python for?\***

- ☐ Educational purposes
  - ☐ Data analysis
  - ☐ DevOps / System administration / Writing automation scripts
  - ☐ Software testing / Writing automated tests
  - ☐ Software prototyping
  - ☐ Web development
  - ☐ Machine learning
  - ☐ Mobile development
  - ☐ Desktop development
  - ☐ Computer graphics
  - ☐ Network programming
  - ☐ Game development
  - ☐ Multimedia applications development
  - ☐ Embedded development
  - ☐ Programming of web parsers / scrapers / crawlers
  - ☐ Other - Write In:: \_\_\_\_\_ \*
- 
- 

**(untitled)**

**Logic: Hidden unless: Roles count is greater than "1"**

**ID: 288**

**Piping: Piped Values From Question 6. ( What do you use Python for?)**

**What do you use Python for the most?\***

**ID: 273**

**Piping: Piped From Question 6. ( What do you use Python for?)**

**To what extent are you involved in the following activities?\***

	primary activity	secondary activity	hobby

**Logic: Hidden unless: #6 Question " What do you use Python for?" is one of the following answers ("Data analysis","Machine learning")**

**ID: 257**

**Do you consider yourself as a Data-Scientist?\***

☐ Yes

☐ No

☐ Other – Write In:: \_\_\_\_\_ \*

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## Python version

**Logic: Show/hide trigger exists.**

**ID: 21**

**Which version of Python do you use the most?\***

☐ Python 2

☐ Python 3

**Logic: Hidden unless: #9 Question "Which version of Python do you use the most?" is one of the following answers ("Python 2")**

**ID: 258**

**Which version of Python 2 do you use the most?\***

- ☐ Python 2.0
- ☐ Python 2.1
- ☐ Python 2.2
- ☐ Python 2.3
- ☐ Python 2.4
- ☐ Python 2.5
- ☐ Python 2.6
- ☐ Python 2.7

**Logic: Hidden unless: #9 Question "Which version of Python do you use the most?" is one of the following answers ("Python 3")**

**ID: 259**

**Which version of Python 3 do you use the most?\***

- ☐ Python 3.5 or lower
- ☐ Python 3.6
- ☐ Python 3.7
- ☐ Python 3.8
- ☐ Python 3.9
- ☐ Python 3.10

**ID: 254**

**What do you typically use to upgrade your Python version?\***

- ☐ I don't update
- ☐ Somebody else manages Python updates for me
- ☐ Python.org
- ☐ Build from source
- ☐ Automatic upgrade via cloud provider

- ☐ Anaconda
- ☐ ActivePython
- ☐ Intel Distribution for Python
- ☐ OS-provided Python (via apt-get, yum, homebrew, etc.)
- ☐ pyenv
- ☐ pythonz
- ☐ I use Docker containers
- ☐ Other – Write In:: \_\_\_\_\_ \*

ID: 281

**Do you use any of the following tools to isolate Python environments, if any?\***

- ☐ None
- ☐ Virtualenv
- ☐ Pipenv
- ☐ Poetry
- ☐ Conda
- ☐ Docker
- ☐ Vagrant / virtual machines
- ☐ Other – Write In:: \_\_\_\_\_ \*

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## Frameworks

ID: 260

**What web frameworks / libraries do you use in addition to Python?\***

- ☐ None
- ☐ Django
- ☐ web2py
- ☐ Bottle
- ☐ CherryPy
- ☐ Flask

- ☐ Hug
- ☐ Pyramid
- ☐ Tornado
- ☐ Falcon
- ☐ FastAPI
- ☐ Other – Write In:: \_\_\_\_\_\*

ID: 261

**What data science framework(s) do you use in addition to Python?\***

- ☐ None
- ☐ PyTorch
- ☐ NumPy
- ☐ SciPy
- ☐ Pandas
- ☐ Matplotlib
- ☐ Seaborn
- ☐ SciKit-Learn
- ☐ Keras
- ☐ TensorFlow
- ☐ Theano
- ☐ NLTK
- ☐ MXNet
- ☐ Gensim
- ☐ Other - Write In:: \_\_\_\_\_\*

ID: 262

**Which of the following frameworks / libraries do you use in addition to Python?\***

- ☐ None
- ☐ Requests
- ☐ aiohttp
- ☐ httpx
- ☐ PyQT
- ☐ PyGTK

- ☐ wxPython
  - ☐ Pillow
  - ☐ Tkinter
  - ☐ Pygame
  - ☐ Twisted
  - ☐ Asyncio
  - ☐ Kivy
  - ☐ Six
  - ☐ Scrappy
  - ☐ Other – Write In:: \_\_\_\_\_ \*
- 

## Cloud

**Logic: Show/hide trigger exists.**

**ID: 221**

**Which of the following cloud platforms do you use?\***

- ☐ None
- ☐ Google Cloud Platform
- ☐ AWS
- ☐ Microsoft Azure
- ☐ Rackspace
- ☐ Heroku
- ☐ DigitalOcean
- ☐ Linode
- ☐ PythonAnywhere
- ☐ OpenShift
- ☐ OpenStack
- ☐ Other – Write In:: \_\_\_\_\_ \*

**Logic: Hidden unless: #17 Question "Which of the following cloud platforms do you use?" is one of the following answers ("Google Cloud Platform","AWS","Microsoft**



Azure","Rackspace","Heroku","DigitalOcean","Linode","PythonAnywhere","OpenShift","OpenStack","Other – Write In:")

ID: 263

**How do you run code in the cloud (in the production environment)?\***

- ☐ None of the following
- ☐ In virtual machines
- ☐ Within containers
- ☐ On a Platform-as-a-Service (such as Heroku or Google App Engine)
- ☐ Serverless (such as AWS Lambda or Cloud Functions)
- ☐ Other – Write In:: \_\_\_\_\_ \*

**Logic: Hidden unless: #17 Question "Which of the following cloud platforms do you use?" is one of the following answers ("Google Cloud Platform","AWS","Microsoft Azure","Rackspace","Heroku","DigitalOcean","Linode","PythonAnywhere","OpenShift","OpenStack","Other – Write In:")**

ID: 264

**How do you develop for the cloud?\***

- ☐ None of the following
- ☐ With local system interpreter
- ☐ Locally with virtualenv (or similar)
- ☐ In Docker containers
- ☐ In virtual machines
- ☐ In remote development environments
- ☐ Directly in the production environment
- ☐ Other – Write In:: \_\_\_\_\_ \*

ID: 268

**What operating system(s) are your development environment?\***

- ☐ Windows
- ☐ Linux
- ☐ macOS
- ☐ BSD
- ☐ Other – Write In:: \_\_\_\_\_ \*

ID: 269

**Which Python unit-testing framework(s) do you use, if any?\***

☐ None

☐ pytest

☐ nose

☐ unittest

☐ doctest

☐ tox

☐ Hypothesis

☐ mock

☐ Other – Write In:: \_\_\_\_\_ \*

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## Tools ( DB, orm, big data)

ID: 283

**What ORM(s) do you use together with Python, if any?\***

☐ No database development

☐ Raw SQL

☐ Django ORM

☐ SQLAlchemy

☐ Peewee

☐ Dejavu

☐ PonyORM

☐ SQLAlchemy

☐ Tortoise ORM

☐ Other – Write In:: \_\_\_\_\_ \*

ID: 282

**Which database(s) do you regularly use, if any?\***

- ☐ None
- ☐ DB2
- ☐ MS SQL Server
- ☐ MySQL
- ☐ Oracle Database
- ☐ PostgreSQL
- ☐ SQLite
- ☐ Cassandra
- ☐ Couchbase
- ☐ HBase
- ☐ MongoDB
- ☐ Neo4j
- ☐ Redis
- ☐ Amazon Redshift
- ☐ h2
- ☐ Other – Write In:: \_\_\_\_\_ \*

ID: 278

**Which of the following Big Data tool(s) do you use, if any? \***

- ☐ None
- ☐ Apache Beam
- ☐ Apache Flink
- ☐ Apache Hadoop/MapReduce
- ☐ Apache Hive
- ☐ Apache Samza
- ☐ Apache Kafka
- ☐ Apache Spark
- ☐ Apache Tez
- ☐ Dask
- ☐ ClickHouse
- ☐ Other – Write In:: \_\_\_\_\_ \*

ID: 279

**Which Continuous Integration (CI) system(s) do you regularly use?\***

- ☐ None
- ☐ GitHub Actions
- ☐ Gitlab CI
- ☐ Jenkins / Hudson
- ☐ TeamCity
- ☐ Bamboo
- ☐ Travis CI
- ☐ CircleCI
- ☐ CruiseControl
- ☐ Bitbucket Pipelines
- ☐ AppVeyor
- ☐ Other – Write In:: \_\_\_\_\_ \*

ID: 280

**Which configuration management tools do you use, if any?\***

- ☐ None
- ☐ Salt
- ☐ Puppet
- ☐ Chef
- ☐ Ansible
- ☐ Custom solution
- ☐ Other – Write In:: \_\_\_\_\_ \*

ID: 337

**What documentation tool do you use? \***

- ☐ I don't use any documentation tools
- ☐ Sphinx
- ☐ MKDocs
- ☐ Doxygen

[ ] Other – Write In:: \_\_\_\_\_

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## main IDE

**Logic: Show/hide trigger exists.**

**ID: 298**

**What is the main editor you use for your current Python development?\***

- ☐ None
- ☐ PyCharm Professional Edition
- ☐ PyCharm Community Edition
- ☐ Sublime Text
- ☐ Vim
- ☐ Atom
- ☐ VS Code
- ☐ Eclipse + Pydev
- ☐ JupyterLab
- ☐ Jupyter Notebook
- ☐ IntelliJ IDEA
- ☐ NotePad++
- ☐ IDLE
- ☐ Emacs
- ☐ Python Tools for Visual Studio (PTVS)
- ☐ Spyder
- ☐ Other – Write In:: \_\_\_\_\_\*

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## IDE satisfaction

**Logic: Hidden unless: #28 Question "What is the main editor you use for your current Python development?" is not one of the following answers ("None")**

**ID: 300**

Piping: Piped Values From Question 28. (What is the main editor you use for your current Python development?)

What editors/IDEs do you use for Python development in addition to [question('value'), id='298']?\*

☐ None

☐ Other – Write In:: \_\_\_\_\_ \*

ID: 150

Do you regularly work on multiple projects at the same time?\*

☐ No, I only work on one project

☐ Yes, I work on one main and several side projects

☐ Yes, I work on many different projects

**Page entry logic:** This page will show when: #28 Question "What is the main editor you use for your current Python development?" is not one of the following answers ("None")

## IDE questions

ID: 135

How did you first learn about [question('value'), id='298']?

☐ Social network

☐ Friend / Colleague

☐ School / University

☐ Advertising

☐ Search engines

☐ Online learning platform / Online course

☐ Technical review / Forum / Blog

☐ Conference / User Group

☐ Other – Write In:: \_\_\_\_\_ \*

☐ I don't remember

ID: 79

**How often do you use [question('value'), id='298']?**

- ☐ Daily
- ☐ Weekly
- ☐ Monthly
- ☐ Less frequently

ID: 83

**Are you missing any features in [question('value'), id='298']?**

- ☐ No, it has all the features I need
- ☐ Yes – Please list:: \_\_\_\_\_ \*

**Logic: Show/hide trigger exists.**

ID: 88

**How likely is it that you would recommend [question('value'), id='298'] to a friend or colleague?**

Not at all likely

☐ 0   ☐ 1   ☐ 2   ☐ 3   ☐ 4   ☐ 5   ☐ 6   ☐ 7   ☐ 8   ☐ 9   ☐ 10

Extremely likely

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## Python Core Development

**Logic: Show/hide trigger exists.**

ID: 313

**Have you tried reporting your issues?\***

- ☐ Yes, I've submitted a pull request on GitHub
- ☐ Yes, I've reported an issue on bugs.python.org
- ☐ Yes, I've asked on mailing lists

- ☐ Yes, I've asked on Discourse
- ☐ Yes, I've asked elsewhere
- ☐ No

**Logic: Hidden unless: #39 Question "Have you tried reporting your issues?" is one of the following answers ("Yes, I've submitted a pull request on GitHub", "Yes, I've reported an issue on bugs.python.org", "Yes, I've asked on mailing lists", "Yes, I've asked on Discourse", "Yes, I've asked elsewhere")**

**ID: 314**

**Was your issue solved?\***

- ☐ Yes, quickly
- ☐ Yes, eventually
- ☐ No, although there was discussion
- ☐ No, I never heard back from anybody
- ☐ Other – Write In:: \_\_\_\_\_

**ID: 315**

**Which channels do you prefer for communicating with the core developers? \***

- ☐ Mailing lists
- ☐ Discourse
- ☐ GitHub
- ☐ Twitter
- ☐ IRC
- ☐ bugs.python.org
- ☐ I've never contacted the core developers

**ID: 316**

**What do you think about the new Developer-in-Residence role? \***

- ☐ I have never heard of it
- ☐ It seems good, but I haven't seen any impact yet
- ☐ It seems good, and I am already seeing an impact
- ☐ I don't like it



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## Python Packaging

ID: 319

**Which of the following tools do you use to isolate Python environments between projects?\***

- ☐ virtualenv
- ☐ venv
- ☐ virtualenvwrapper
- ☐ hatch
- ☐ Poetry
- ☐ pipenv
- ☐ Conda
- ☐ I do not use any tools to isolate Python environments
- ☐ Other - Write In: \_\_\_\_\_

ID: 320

**Do you use a virtual environment (e.g. virtualenv) in containers (e.g. Docker)? \***

- ☐ Yes, I use a virtual environment in containers
- ☐ No, I do not use a virtual environment in containers
- ☐ No, I do not use containers

ID: 321

**Do you use the standard library (Python 3.3+) module venv?\***

- ☐ I use venv directly
- ☐ I use it via Poetry
- ☐ I use it via Pipenv
- ☐ I use it via virtualenv

- ☐ I use it via tox
- ☐ I don't know
- ☐ No, I do not use venv
- ☐ Other – Write In:: \_\_\_\_\_

ID: 322

**Which tools related to Python packaging do you use directly? \***

- ☐ None / I'm not sure
- ☐ pip
- ☐ Conda
- ☐ pipenv
- ☐ Poetry
- ☐ venv (standard library)
- ☐ virtualenv
- ☐ flit
- ☐ tox
- ☐ PDM
- ☐ twine
- ☐ Containers (eg: via Docker)
- ☐ Virtual machines
- ☐ Workplace specific proprietary solution
- ☐ Other – Write In:: \_\_\_\_\_

**Logic: Show/hide trigger exists.**

ID: 323

**Do you use any tools for managing precise/exact versions (version pinning) of application dependencies?\***

- ☐ Yes
- ☐ No

**Logic: Hidden unless: #48 Question "Do you use any tools for managing precise/exact versions (version pinning) of application dependencies?" is one of the following answers ("Yes")**

ID: 324

**What format(s) is your application dependency information stored in?\***

- ☐ None
- ☐ requirements.txt
- ☐ pyproject.toml
- ☐ pipfile.lock
- ☐ poetry.lock
- ☐ Conda environment.yml
- ☐ pip constraints.txt
- ☐ Other – Write In:: \_\_\_\_\_

**Logic: Hidden unless: #48 Question "Do you use any tools for managing precise/exact versions (version pinning) of application dependencies?" is one of the following answers ("Yes")**

ID: 325

**Which of the following tools do you use for application dependency management?\***

- ☐ None
- ☐ pipenv
- ☐ poetry
- ☐ pip-tools
- ☐ Other – Write In:: \_\_\_\_\_

ID: 326

**Do you use any of the following automated services to update the versions of application dependencies?\***

- ☐ None
- ☐ Dependabot
- ☐ PyUp
- ☐ Custom tools, e.g. a cron job or scheduled CI task
- ☐ No, my application dependencies are updated manually
- ☐ Other – Write In:: \_\_\_\_\_

ID: 327

**Which of the following tools do you use for installing packages?\***

- ☐ None
- ☐ pip
- ☐ easy\_install
- ☐ Conda
- ☐ Poetry
- ☐ pip-sync
- ☐ pipx
- ☐ Other – Write In:: \_\_\_\_\_

ID: 328

**Where do you install packages from? \***

- ☐ I'm not sure
- ☐ PyPI
- ☐ Local source
- ☐ Internal mirror of PyPI
- ☐ Private Python Package Index
- ☐ Anaconda
- ☐ Default Conda channel
- ☐ conda-forge Conda channel
- ☐ Other Conda channel
- ☐ GitHub
- ☐ Artifactory
- ☐ GitLab
- ☐ From Linux distribution
- ☐ Other – Write In:: \_\_\_\_\_

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**Python Packaging 2**

**Logic: Show/hide trigger exists.**

**ID: 329**

**Do you develop applications?\***

- ☐ Yes
- ☐ No

**Logic: Hidden unless: #54 Question "Do you develop applications?" is one of the following answers ("Yes")**

**ID: 330**

**Which tool(s) do you use to develop Python applications?\***

- ☐ None / I'm not sure
- ☐ Setuptools
- ☐ build
- ☐ Wheel
- ☐ Enscons
- ☐ pex
- ☐ Flit
- ☐ Poetry
- ☐ conda-build
- ☐ maturin
- ☐ PDM-PEP517
- ☐ Other – Write In:: \_\_\_\_\_

**Logic: Show/hide trigger exists.**

**ID: 331**

**Have you packaged and published a Python application that you developed to a package repository?\***

- ☐ Yes
- ☐ No

**Logic: Hidden unless: #56 Question "Have you packaged and published a Python application that you developed to a package repository?" is one of the following answers ("Yes")**

ID: 332

**Where did you publish your Python application packages?\***

- ☐ PyPI
- ☐ Private Python Package Index
- ☐ Internal mirror of PyPI
- ☐ conda-forge
- ☐ Other – Write In:: \_\_\_\_\_

**Logic: Show/hide trigger exists.**

ID: 333

**Do you develop and package Python libraries?\***

- ☐ Yes
- ☐ No

**Logic: Hidden unless: #58 Question "Do you develop and package Python libraries?" is one of the following answers ("Yes")**

ID: 334

**Which tools do you use to create packages of your Python libraries? \***

- ☐ Setuptools
- ☐ build
- ☐ Wheel
- ☐ Enscons
- ☐ pex
- ☐ Flit
- ☐ Poetry
- ☐ conda-build
- ☐ maturin
- ☐ PDM-PEP517
- ☐ Other – Write In:: \_\_\_\_\_

**Logic: Show/hide trigger exists.**

**ID: 335**

**Have you packaged and published a Python library to a package repository? \***

- ☐ Yes
- ☐ No

**Logic: Hidden unless: #60 Question "Have you packaged and published a Python library to a package repository? " is one of the following answers ("Yes")**

**ID: 336**

**Where have you published your packaged Python libraries?\***

- ☐ PyPI
- ☐ Private Python Package Index
- ☐ Internal mirror of PyPI
- ☐ conda-forge
- ☐ Other – Write In:: \_\_\_\_\_

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## DEMOGRAPHICS

**Logic: Show/hide trigger exists.**

**ID: 5**

**Most of the time, do you ...? \***

- ☐ Work in a team
- ☐ Work on your own project(s) independently
- ☐ Work as an external consultant or trainer

**Logic: Hidden unless: #62 Question "Most of the time, do you ...? " is one of the following answers ("Work in a team")**

ID: 194

**How many people are in your project team?\***

- ☐ 2-7 people
- ☐ 8-12 people
- ☐ 13-20 people
- ☐ 21-40 people
- ☐ More than 40 people

**Logic: Show/hide trigger exists.**

ID: 181

**What is your employment status?\***

- ☐ Fully employed by a company / organization
- ☐ Partially employed by a company / organization
- ☐ Self-employed (*a person earning income directly from one's own business, trade, or profession*)
- ☐ Freelancer (*a person pursuing a profession without a long-term commitment to any one employer*)
- ☐ Working student
- ☐ Student
- ☐ Retired
- ☐ Other – Write In:: \_\_\_\_\_ \*

**Logic: Hidden unless: #64 Question "What is your employment status?" is one of the following answers ("Fully employed by a company / organization", "Partially employed by a company / organization", "Self-employed (*a person earning income directly from one's own business, trade, or profession*)", "Working student")**

ID: 272

**How many people work for your company / organization?\***

- ☐ Just me
- ☐ 2–10
- ☐ 11–50
- ☐ 51–500
- ☐ 501–1,000



- ☐ 1,001–5,000
- ☐ More than 5,000
- ☐ Not sure

**Logic: Hidden unless: #64 Question "What is your employment status?" is one of the following answers ("Fully employed by a company / organization", "Partially employed by a company / organization", "Self-employed (*a person earning income directly from one's own business, trade, or profession*)", "Working student")**

**ID: 185**

**Which of the following industries best describes your company's business?**

**Logic: Show/hide trigger exists.**

**ID: 186**

**Choose one from the list:\***

- ☐ Accounting / Finance / Insurance
- ☐ Administration / Management
- ☐ Banking / Real Estate / Mortgage Financing
- ☐ Business / Strategic Management
- ☐ Construction / Architecture
- ☐ Customer Support
- ☐ Design
- ☐ Education / Training
- ☐ Human Resources
- ☐ Information Technology / Software Development
- ☐ Law
- ☐ Logistics/ Transportation
- ☐ Machinery
- ☐ Manufacturing
- ☐ Marketing
- ☐ Medicine / Health
- ☐ Non-profit
- ☐ Publishing
- ☐ Restaurants / Hospitality
- ☐ Sales / Distribution / Business Development
- ☐ Science

- ☐ Security
- ☐ Service/ Maintenance
- ☐ Other

**Logic: Hidden unless: (#64 Question "What is your employment status?" is one of the following answers ("Fully employed by a company / organization","Partially employed by a company / organization","Self-employed (*a person earning income directly from one's own business, trade, or profession*)","Working student") AND Question "Choose one from the list:" is one of the following answers ("Information Technology / Software Development"))**

ID: 188

**Which of the following industries do you develop for?**

**Logic: Show/hide trigger exists.**

ID: 189

**Choose one from the list:\***

- ☐ Accounting / Finance / Insurance
- ☐ Administration / Management
- ☐ Banking / Real Estate / Mortgage Financing
- ☐ Business / Strategic Management
- ☐ Construction / Architecture
- ☐ Customer Support
- ☐ Design
- ☐ Education / Training
- ☐ Human Resources
- ☐ Information Technology / Software Development
- ☐ Law
- ☐ Logistics/ Transportation
- ☐ Machinery
- ☐ Manufacturing
- ☐ Marketing
- ☐ Medicine / Health
- ☐ Non-profit
- ☐ Publishing
- ☐ Restaurants / Hospitality

- ☐ Sales / Distribution / Business Development
  - ☐ Science
  - ☐ Security
  - ☐ Service/ Maintenance
  - ☐ Other
- 

## Company 2

**Logic: Hidden unless: #64 Question "What is your employment status?" is one of the following answers ("Fully employed by a company / organization", "Partially employed by a company / organization", "Self-employed (*a person earning income directly from one's own business, trade, or profession*)", "Freelancer (*a person pursuing a profession without a long-term commitment to any one employer*)")**

ID: 183

**Which of the following best describes your job role(s)?\***

- ☐ DBA
  - ☐ Architect
  - ☐ QA engineer
  - ☐ Developer / Programmer
  - ☐ Technical writer
  - ☐ Technical support
  - ☐ Data analyst
  - ☐ Business analyst
  - ☐ Team lead
  - ☐ Product manager
  - ☐ CIO / CEO / CTO
  - ☐ Systems analyst
  - ☐ Other – Write In:: \_\_\_\_\_ \*
- 

## Demographics

ID: 173

**Could you tell us your age range?\***

- ☐ 17 or younger
- ☐ 18–20
- ☐ 21–29
- ☐ 30–39
- ☐ 40–49
- ☐ 50–59
- ☐ 60 or older

ID: 309

**What country or region do you live in? \***

- ☐ Afghanistan
- ☐ Andorra
- ☐ United Arab Emirates
- ☐ Algeria
- ☐ Antigua and Barbuda
- ☐ Anguilla
- ☐ Albania
- ☐ Armenia
- ☐ Angola
- ☐ Antarctica
- ☐ Argentina
- ☐ American Samoa
- ☐ Austria
- ☐ Australia
- ☐ Aruba
- ☐ Finland: Aland Islands
- ☐ Azerbaijan
- ☐ Bosnia and Herzegovina
- ☐ Barbados
- ☐ Bangladesh
- ☐ Belgium

- ☐ Burkina Faso
- ☐ Bulgaria
- ☐ Bahrain
- ☐ Burundi
- ☐ Benin
- ☐ Bermuda
- ☐ Brunei Darussalam
- ☐ Bolivia
- ☐ Brazil
- ☐ Bahamas
- ☐ Bhutan
- ☐ Botswana
- ☐ Belarus
- ☐ Belize
- ☐ Canada
- ☐ Cocos (Keeling) Islands
- ☐ Congo, Democratic Republic of the
- ☐ Central African Republic
- ☐ Congo, Republic of the
- ☐ Switzerland
- ☐ Côte d'Ivoire
- ☐ Cook Islands
- ☐ Chile
- ☐ Cameroon
- ☐ China
- ☐ Colombia
- ☐ Costa Rica
- ☐ Cape Verde
- ☐ Curaçao
- ☐ Christmas Island
- ☐ Cyprus
- ☐ Czech Republic
- ☐ Germany
- ☐ Djibouti
- ☐ Denmark
- ☐ Dominica
- ☐ Dominican Republic

- ☐ Algeria
- ☐ Ecuador
- ☐ Estonia
- ☐ Egypt
- ☐ Western Sahara
- ☐ Eritrea
- ☐ Spain
- ☐ Ethiopia
- ☐ Finland
- ☐ Fiji
- ☐ Falkland Islands (Malvinas)
- ☐ Micronesia
- ☐ Faroe Islands
- ☐ France
- ☐ Gabon
- ☐ United Kingdom
- ☐ Grenada
- ☐ Georgia
- ☐ French Guiana
- ☐ Guernsey
- ☐ Ghana
- ☐ Gibraltar
- ☐ Greenland
- ☐ Gambia
- ☐ Guinea
- ☐ Guadeloupe
- ☐ Equatorial Guinea
- ☐ Greece
- ☐ South Georgia and the South Sandwich Islands
- ☐ Guatemala
- ☐ Guam
- ☐ Guinea-Bissau
- ☐ Guyana
- ☐ Honduras
- ☐ Croatia
- ☐ Hong Kong
- ☐ Haiti

- ☐ Hungary
- ☐ Spain: Canary Islands
- ☐ Indonesia
- ☐ Ireland
- ☐ Israel
- ☐ Isle of Man
- ☐ India
- ☐ British Indian Ocean Territory
- ☐ Iran
- ☐ Iraq
- ☐ Iceland
- ☐ Italy
- ☐ Jersey
- ☐ Jamaica
- ☐ Jordan
- ☐ Japan
- ☐ Kenya
- ☐ Kyrgyzstan
- ☐ Cambodia
- ☐ Kiribati
- ☐ Comoros
- ☐ Saint Kitts and Nevis
- ☐ South Korea
- ☐ Kuwait
- ☐ Cayman Islands
- ☐ Kazakhstan
- ☐ Lao People's Democratic Republic
- ☐ Lebanon
- ☐ Saint Lucia
- ☐ Liechtenstein
- ☐ Sri Lanka
- ☐ Liberia
- ☐ Lesotho
- ☐ Lithuania
- ☐ Luxembourg
- ☐ Latvia
- ☐ Libyan Arab Jamahiriya

- ☐ Macao
- ☐ Morocco
- ☐ Monaco
- ☐ Moldova
- ☐ Montenegro
- ☐ Madagascar
- ☐ Marshall Islands
- ☐ North Macedonia
- ☐ Mali
- ☐ Myanmar
- ☐ Mongolia
- ☐ Northern Mariana Islands
- ☐ Martinique
- ☐ Mauritania
- ☐ Montserrat
- ☐ Malta
- ☐ Mauritius
- ☐ Maldives
- ☐ Malawi
- ☐ Mexico
- ☐ Malaysia
- ☐ Mozambique
- ☐ Namibia
- ☐ New Caledonia
- ☐ Niger
- ☐ Norfolk Island
- ☐ Nigeria
- ☐ Nicaragua
- ☐ Netherlands
- ☐ Norway
- ☐ Nepal
- ☐ Nauru
- ☐ Niue
- ☐ New Zealand
- ☐ Oman
- ☐ Panama
- ☐ Peru



- ☐ French Polynesia
- ☐ Papua New Guinea
- ☐ Philippines
- ☐ Pakistan
- ☐ Poland
- ☐ Saint Pierre and Miquelon
- ☐ Pitcairn
- ☐ Puerto Rico
- ☐ Palestinian Territory
- ☐ Portugal
- ☐ Palau
- ☐ Paraguay
- ☐ Qatar
- ☐ Reunion
- ☐ Romania
- ☐ Serbia
- ☐ Russian Federation
- ☐ Rwanda
- ☐ Saudi Arabia
- ☐ Solomon Islands
- ☐ Seychelles
- ☐ Sweden
- ☐ Singapore
- ☐ Saint Helena
- ☐ Slovenia
- ☐ Svalbard and Jan Mayen
- ☐ Slovakia
- ☐ Sierra Leone
- ☐ San Marino
- ☐ Senegal
- ☐ Somalia
- ☐ Suriname
- ☐ Sao Tome and Principe
- ☐ El Salvador
- ☐ Swaziland
- ☐ Turks and Caicos Islands
- ☐ Chad

- ☐ French Southern Territories
  - ☐ Taiwan
  - ☐ Togo
  - ☐ Thailand
  - ☐ Tajikistan
  - ☐ Tokelau
  - ☐ Timor-Leste
  - ☐ Turkmenistan
  - ☐ Tunisia
  - ☐ Tonga
  - ☐ Turkey
  - ☐ Trinidad and Tobago
  - ☐ Tuvalu
  - ☐ Tanzania
  - ☐ Ukraine
  - ☐ Uganda
  - ☐ United States
  - ☐ Uruguay
  - ☐ Uzbekistan
  - ☐ Holy See (Vatican City State)
  - ☐ Saint Vincent and the Grenadines
  - ☐ Venezuela
  - ☐ Virgin Islands, British
  - ☐ Virgin Islands, U.s.
  - ☐ Viet Nam
  - ☐ Vanuatu
  - ☐ Wallis and Futuna
  - ☐ Samoa
  - ☐ Kosovo
  - ☐ Yemen
  - ☐ Mayotte
  - ☐ South Africa
  - ☐ Zambia
  - ☐ Zimbabwe
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