# Software Engineer's Turnover

\*\*\*\*\* [PT] Este survey está disponível em Português no link: / This survey is available in Portuguese at: <a href="https://bit.ly/turnoverSE-PT">https://bit.ly/turnoverSE-PT</a> \*\*\*\*\*

There is an increasing rate of voluntary turnover (movement of employees among companies) in the Software Engineering area. What are the main reasons that have led Software Engineers to leave their companies? What have IT companies been doing to mitigate this problem?

To find out more, answer this survey in just 20 minutes and at the end of the study you will receive an assessment of your personality traits and you will receive a report on Software Engineer Turnover.

This study is being conducted by researchers from the Federal University of Bahia (UFBA) and the Bahiana School of Medicine and Public Health, in partnership with SOFTEX (Brazil). If you have any questions or comments about this study, please contact us by email:

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\* Indica uma pergunta obrigatória

#### Informed Consent Form

- 1. You are being invited to participate voluntarily in this research.
- 2. Your participation will consist of answering a questionnaire with objective, short-text questions about the topic.
- 3. Your refusal will not harm your relationship with the researcher or the academic institutions.
- 4. To minimize any discomfort and maintain your privacy, the questionnaire will be anonymous.
- 5. The benefits related to your participation are only in contributing to the scientific research. You will be allowed access to the results of this research through scientific publications made from this study.
- 6. By continuing to complete this questionnaire, you agree to the information described here, but you may discontinue the research at any time without any charge.
- 7. This survey uses the Google Docs application package, so the collection and use of information from Google is subject to Google's Privacy Policy of Google (<a href="https://www.google.co.uk/policies/privacy/">https://www.google.co.uk/policies/privacy/</a>).

Federal University of Bahia (UFBA) - Institute of Computer Science Av. Milton Santos, s/n, Ondina, 40170-110, Salvador – BA

If you do not want to participate in the research study, please decline participation by selecting "No".

1.	I am a Software Engineer/developer/coder/programmer, I have transitioned from one company to another voluntarily at least once, and I agree to participate in this study.	
	Marcar apenas uma oval.	
	Yes	
	No	
D	Demographic Information	
	his section aims to collect demographic information and characterization of your profile as Software Engineer/Developer	
2.	How old are you? *	
	Marcar apenas uma oval.	
	18-25 years	
	26-41 years	
	42-57 years	
	Over 57 years	
	I Prefer not to say	
	Outro:	
3.	Please specify your gender identity: *	
	Marcar apenas uma oval.	
	Male	
	Female	
	Non-binary	
	I Prefer not to say	

4.	what is your current working style? *
	Marcar apenas uma oval.
	100% remote work
	Hybrid work
	100% in-office work
	Outro:
5.	What is your highest educational qualification? *
	Marcar apenas uma oval.
	Graduated High School or GED
	Trade/technical school
	Bachelor's Degree
	Advanced degree (Master's, Ph.D., M.D.)
	Outro:
6.	How many years of experience do you have working as a Software *
	Engineer/Developer?
	Marcar apenas uma oval.
	Less than 1 year
	1 to 2 years
	3 to 5 years
	6 to 8 years
	9 to 10 years
	More than 10 years

7.	Including your current job, in how many companies have you worked as a Software Engineer/Developer?	*
	Marcar apenas uma oval.	
	1 to 2 companies	
	3 to 5 companies	
	6 to 7 companies	
	8 to 10 companies	
	More than 10 companies	

8.	In which Country do you currently work? *		
	If you've been working from home, please respond with the country in which your company is located.		
	Marcar apenas uma oval.		
	Afghanistan		
	Albania		
	Algeria		
	Andorra		
	Angola		
	Antigua and Barbuda		
	Argentina		
	Armenia		
	Austria		
	Azerbaijan		
	Bahrain		
	Bangladesh		
	Barbados		
	Belarus		
	Belgium		
	Belize		
	Benin		
	Bhutan		
	Bolivia		
	Bosnia and Herzegovina		
	Botswana		
	Brazil		
	Brunei		
	Bulgaria		
	Burkina Faso		
	Burundi		
	Cabo Verde		

Cambodia

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Cameroon	
Canada	
Central African Republic	
Chad	
Channel Islands	
Chile	
China	
Colombia	
Comoros	
Congo	
Costa Rica	
Côte d'Ivoire	
Croatia	
Cuba	
Cyprus	
Czech Republic	
Denmark	
Djibouti	
Dominica	
Ominican Republic	
OR Congo	
Ecuador	
Egypt	
El Salvador	
Equatorial Guinea	
Eritrea	
Estonia	
Eswatini	
Ethiopia	
Faeroe Islands	
Finland	
France	
French Guiana	

Gabon
Gambia
Georgia
Germany
Ghana
Gibraltar
Greece
Grenada
Guatemala
Guinea
Guinea-Bissau
Guyana
Haiti
Holy See
Honduras
Hong Kong
Hungary
Iceland
India
Indonesia
Iran
Iraq
Ireland
Isle of Man
Israel
Italy
Jamaica
Japan
Jordan
Kazakhstan
Kenya
Kuwait
Kyrgyzstan

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Laos		
Latvia		
Lebanon		
Lesotho		
Liberia		
Libya		
Liechtenstein		
Lithuania		
Luxembourg		
Macao		
Madagascar		
Malawi		
Malaysia		
Maldives		
Mali		
Malta		
Mauritania		
Mauritius		
Mayotte		
Mexico		
Moldova		
Monaco		
Mongolia		
Montenegro		
Morocco		
Mozambique		
Myanmar		
Namibia		
Nepal		
Netherlands		
Nicaragua		
Niger		
Nigeria		

North Korea
North Macedonia
Norway
Oman
Palestine
Pakistan
Panama
Paraguay
Peru
Philippines
Poland
Portugal
Qatar
Réunion
Romania
Russia
Rwanda
Saint Helena
Saint Kitts and Nevis
Saint Lucia
Saint Vincent and the Grenadines
San Marino
Sao Tome & Principe
Saudi Arabia
Senegal
Serbia
Seychelles
Sierra Leone
Singapore
Slovakia
Slovenia
Somalia
South Africa

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South Korea		
South Sudan		
Spain		
Sri Lanka		
State of Palestine		
Sudan		
Suriname		
Sweden		
Switzerland		
Syria		
Taiwan		
Tajikistan		
Tanzania		
Thailand		
The Bahamas		
Timor-Leste		
Togo		
Trinidad and Tobago		
Tunisia		
Turkey		
Turkmenistan		
Uganda		
Ukraine		
United Arab Emirates		
United Kingdom		
United States		
Uruguay		
Uzbekistan		
Venezuela		
Vietnam		
Western Sahara		
Yemen		
Zambia		

\_\_\_\_ Zimbabwe

9. In which Country do you currently live? \*

Marcar apenas uma oval.		
Afghanistan Pular para a pergunta 11		
Albania Pular para a pergunta 11		
Algeria Pular para a pergunta 11		
Andorra Pular para a pergunta 11		
Angola Pular para a pergunta 11		
Antigua and Barbuda Pular para a pergunta 11		
Argentina Pular para a pergunta 11		
Armenia Pular para a pergunta 11		
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Bahrain Pular para a pergunta 11		
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Belgium Pular para a pergunta 11		
Belize Pular para a pergunta 11		
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Bhutan Pular para a pergunta 11		
Bolivia Pular para a pergunta 11		
Bosnia and Herzegovina Pular para a pergunta 11		
Botswana Pular para a pergunta 11		
Brazil Pular para a pergunta 10		
Brunei Pular para a pergunta 11		
Bulgaria Pular para a pergunta 11		
Burkina Faso Pular para a pergunta 11		
Burundi Pular para a pergunta 11		
Cabo Verde Pular para a pergunta 11		
Cambodia Pular para a pergunta 11		
Cameroon Pular para a pergunta 11		
Canada Pular para a pergunta 11		

Central African Republic Pular para a pergunta 1
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Côte d'Ivoire Pular para a pergunta 11
Croatia Pular para a pergunta 11
Cuba Pular para a pergunta 11
Cyprus Pular para a pergunta 11
Czech Republic Pular para a pergunta 11
Denmark Pular para a pergunta 11
Djibouti Pular para a pergunta 11
Dominica Pular para a pergunta 11
Dominican Republic Pular para a pergunta 11
DR Congo Pular para a pergunta 11
Ecuador Pular para a pergunta 11
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Finland Pular para a pergunta 11
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French Guiana Pular para a pergunta 11
Gabon Pular para a pergunta 11
Gambia Pular para a pergunta 11

Georgia	Pular para a pergunta 11
Germany	Pular para a pergunta 11
Ghana	Pular para a pergunta 11
Gibraltar	Pular para a pergunta 11
Greece	Pular para a pergunta 11
Grenada	Pular para a pergunta 11
Guatemala	Pular para a pergunta 11
Guinea	Pular para a pergunta 11
Guinea-Biss	sau Pular para a pergunta 11
Guyana	Pular para a pergunta 11
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Honduras	Pular para a pergunta 11
O Hong Kong	Pular para a pergunta 11
Hungary	Pular para a pergunta 11
Celand	Pular para a pergunta 11
India P	ular para a pergunta 11
Indonesia	Pular para a pergunta 11
Iran Pu	lar para a pergunta 11
Iraq Pu	lar para a pergunta 11
Ireland	Pular para a pergunta 11
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Srael F	Pular para a pergunta 11
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Jamaica	Pular para a pergunta 11
Japan	Pular para a pergunta 11
Jordan	Pular para a pergunta 11
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Kenya	Pular para a pergunta 11
Kuwait	Pular para a pergunta 11
Kyrgyzstan	Pular para a pergunta 11
Laos P	ular para a pergunta 11
Latvia	Pular para a pergunta 11

Lebanon Pular para a pergunta 11
Lesotho Pular para a pergunta 11
Liberia Pular para a pergunta 11
Libya Pular para a pergunta 11
Liechtenstein Pular para a pergunta 11
Lithuania Pular para a pergunta 11
Luxembourg Pular para a pergunta 11
Macao Pular para a pergunta 11
Madagascar Pular para a pergunta 11
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Morocco Pular para a pergunta 11
Mozambique Pular para a pergunta 11
Myanmar Pular para a pergunta 11
Namibia Pular para a pergunta 11
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Nicaragua Pular para a pergunta 11
Niger Pular para a pergunta 11
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North Korea Pular para a pergunta 11
North Macedonia Pular para a pergunta 11

Norway Pular para a pergunta 11
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Peru Pular para a pergunta 11
Philippines Pular para a pergunta 11
Poland Pular para a pergunta 11
Portugal Pular para a pergunta 11
Qatar Pular para a pergunta 11
Réunion Pular para a pergunta 11
Romania Pular para a pergunta 11
Russia Pular para a pergunta 11
Rwanda Pular para a pergunta 11
Saint Helena Pular para a pergunta 11
Saint Kitts and Nevis Pular para a pergunta 11
Saint Lucia Pular para a pergunta 11
Saint Vincent and the Grenadines Pular para a pergunta 11
San Marino Pular para a pergunta 11
Sao Tome & Principe Pular para a pergunta 11
Saudi Arabia Pular para a pergunta 11
Senegal Pular para a pergunta 11
Serbia Pular para a pergunta 11
Seychelles Pular para a pergunta 11
Sierra Leone Pular para a pergunta 11
Singapore Pular para a pergunta 11
Slovakia Pular para a pergunta 11
Slovenia Pular para a pergunta 11
Somalia Pular para a pergunta 11
South Africa Pular para a pergunta 11
South Korea Pular para a pergunta 11
South Sudan Pular para a pergunta 11

Spain Pular para a pergunta 11
Sri Lanka Pular para a pergunta 11
State of Palestine Pular para a pergunta 11
Sudan Pular para a pergunta 11
Suriname Pular para a pergunta 11
Sweden Pular para a pergunta 11
Switzerland Pular para a pergunta 11
Syria Pular para a pergunta 11
Taiwan Pular para a pergunta 11
Tajikistan Pular para a pergunta 11
Tanzania Pular para a pergunta 11
Thailand Pular para a pergunta 11
The Bahamas Pular para a pergunta 11
Timor-Leste Pular para a pergunta 11
Togo Pular para a pergunta 11
Trinidad and Tobago Pular para a pergunta 11
Tunisia Pular para a pergunta 11
Turkey Pular para a pergunta 11
Turkmenistan Pular para a pergunta 11
Uganda Pular para a pergunta 11
Ukraine Pular para a pergunta 11
United Arab Emirates Pular para a pergunta 11
United Kingdom Pular para a pergunta 11
United States Pular para a pergunta 11
Uruguay Pular para a pergunta 11
Uzbekistan Pular para a pergunta 11
Venezuela Pular para a pergunta 11
Vietnam Pular para a pergunta 11
Western Sahara Pular para a pergunta 11
Yemen Pular para a pergunta 11
Zambia Pular para a pergunta 11
Zimbabwe Pular para a pergunta 11

**Demographic Information** 

#### 10. In which state do you live?

Marcar	apenas uma oval.
	cre (AC)
A	lagoas (AL)
A	mapá (AP)
A	mazonas (AM)
B	ahia (BA)
$\bigcirc$ C	eará (CE)
	istrito Federal (DF)
E	spírito Santo (ES)
$\bigcirc$ G	oiás (GO)
$\bigcirc$ N	laranhão (MA)
$\bigcirc$ N	Mato Grosso (MT)
$\bigcirc$ N	Mato Grosso do Sul (MS)
$\bigcirc$ N	linas Gerais (MG)
P	ará (PA)
P	araíba (PB)
P	araná (PR)
P	ernambuco (PE)
P	riauí (PI)
$\bigcirc$ R	tio de Janeiro (RJ)
$\bigcirc$ R	tio Grande do Norte (RN)
$\bigcirc$ R	tio Grande do Sul (RS)
$\bigcirc$ R	ondônia (RO)
$\bigcirc$ R	oraima (RR)
	anta Catarina (SC)
	ão Paulo (SP)
	ergipe (SE)
$\bigcirc$ T	ocantins (TO)

## Reasons for Software Engineer's Turnover

This section aims to identify the main reasons of the voluntary turnover among Software Engineers.

11. Please indicate your level of agreement for each statement below about the reasons you think can cause turnover:

Marcar apenas uma oval por linha.

	Strongly disagree	Somewhat disagree	Neutral	Somewhat agree	Strongly agree
A higher salary proposal					
A repetitive work					
Not having a good relationship with co-workers					
Lack of a career plan					
A toxic management					
An inadequate working environment/physical infrastructure					
Working overtime frequently					
Unmet job expectations					
Lack of internal communication in the company					
The use of obsolete technologies					
Lack of technical challenges					
Lack of flexibility and autonomy on deciding preferred working time					

Lack of professional

12.

Software	Engineer's	Turnove
Software	Engineer 8	Turnove

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	professional  Pasimetro live new  professional  experiences				
	•		-	like to men	tion any other

## **Employee Retention Strategies**

This section aims to identify the most effective strategies to minimize software engineer's turnover.

13. Regarding the strategies applied by companies to minimize turnover, please indicate your level of agreement for each strategy below:

Marcar apenas uma oval por linha.

	Strongly disagree	Somewhat disagree	Neutral	Somewhat agree	Strongly agree
Offer a more robust onboarding process					
Offer internal professional engagement programs					
Offer training to improve technical development skills					
Offer opportunity for rapid career growth					
Offer opportunity for the employee to switch between projects and/or roles if she/he aims it					
Provide a good organizational structure / well-defined roles					
Provide good and capable management					

management			
Offer an open lefter on spen lefter			
Provide Preyidehip Pregiarabiand Pregiaras and Pregiaras			
Promote Peologial from September 1988 Systems for September 1988 Systems fo			
Offer home Office work Office work			
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14.

				8			
	technologies Hire						
	professionals Hire aligned with professionals the aligned with company's the culture company's						
	culture Offer						
	corporate Offer perks corporate						
	perks						
This	rning Signs of Tu s section aims to i eave the company	dentify the r	nain signs th	nat can indic	cate that a so	oftware engine	eer wants
1.	Please indicate the Software En					pinion may i	ndicate

Marque todas que se aplicam.

Decrease in productivity Feeling overloaded Lack of commitment to the company's objectives

Low engagement at work Signs of demotivation

Conflicts with the team

Absenteeism and tardiness

Outro:

#### **Personality Test**

In this section, we present 20 statements on personal characteristics. Read each one carefully and indicate whether each characteristic describes you or not.

## 15. I see myself as someone who... \*

Marcar apenas uma oval por linha.

	Strongly disagree	somewhat disagree	Neutral	somewhat agree	Strongly agree
is talkative, communicative.					
is meticulous, detail-oriented on my work.					
insists until completing a task or work.					
likes to cooperate with others.					
is original, always has new ideas.					
is temperamental, changes moods easily.					
is inventive, creative.					
is helpful and helps others.					
is kind, cares about others.					
does things efficiently.					
is sociable, outgoing.					
is full of energy.					

16.

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worries a lot					
અજિમાં es a lot averything.					
everyumiy.					
-up are there any com	nments rel	ated to this	survey tha	t you would	l like to share w

If you are interested in receiving the results of the personality test and the results of this survey, please enter your e-mail address below:

17.	E-mail:
18.	Consent for use of information *  Marque todas que se aplicam.
	I authorize the use of the information collected on this form to contribute to this research, which aims to understand the main reasons that have led Software Engineers to leave their companies.
19.	Brazilian Data Protection Law (LGPD) - As amended by Law No. 13,853/2019 *  Marcar apenas uma oval.  I authorize my e-mail address to be included in a specific mailing list of Software Engineers that may be used for future contact.  I do NOT authorize my e-mail address to be included in a specific mailing list of Software engineers to be used for future contact.

Este conteúdo não foi criado nem aprovado pelo Google.

Google Formulários