# Pandemic Programming

Thank you for participating in our study on the effects of the COVID-19 pandemic on software development. The purpose of this study is to understand how working from home during this crisis is affecting your wellbeing and productivity.

This questionnaire is (or will soon be) available in عربي (Arabic), 國語 (Chinese), English, Italiano, 日本語(Japanese), 한국어 (Korean), فارسى (Persian), Português, Русский (Russian), Español, and Türkçe. You can select a different language

here: https://paulralph.name/2020/03/27/pandemic-programming-guestionnaire/

You should only take this survey if you are a software professional who began working from home because of the COVID-19 pandemic.

The survey will take about 20 minutes. There is no payment or prize for participating, but if we receive at least 130 responses, we will donate 500 USD to an open source project chosen by respondents.

Please be patient with the questions. This situation is complicated so we need a lot of information. Some questions come from instruments used by the World Health Organization and hospitals. If they don't quite fit your experience in software development, please just answer them as best you can. Please answer as many questions as possible. If you don't want to answer a question, you can skip it and move on to the next one.

Thanks again for your help!

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•	You should only complete this survey if you meet all of the conditions below. (Participants from all countries and organizations are welcome.) *			
	Check all that apply.			
	I have read the consent form: <a href="https://paulralph.name/wp-content/uploads/2020/03/Pandemic-Programming-Consent-Form.pdf">https://paulralph.name/wp-content/uploads/2020/03/Pandemic-Programming-Consent-Form.pdf</a>			
	I agree to participate			
	I am a software professional (programmer, designer, software project manager, etc.)			
W	here you are Working	(you can't skip this question)		

2.	2. Please choose the option that best describes you. *						
	Mark only one oval.						
	Before the pandemic, I was working at the off	ice. Now I am working from home.					
	I've been working at the office the whole time						
	I've been working remotely the whole time.						
	Before the pandemic I was working remotely.	Now I'm working at the office.					
C	OVID-19 Status						
3.	Please select all that apply.						
	Check all that apply.						
	I have tested positive for COVID-19  Someone else in my home has tested positive for COVID-19  A member of my family has tested positive for COVID-19  A close friend of mine has tested positive for COVID-19  I am currently or was recently quarantined (order None of the above	COVID-19 OVID-19					
4.	Choose the option that best describes you.						
	Mark only one oval.						
	I am not leaving home at all, for any reason.						
	I am leaving home only for essential tasks (e.	g. groceries, medical care, exercise)					
	I am leaving home regularly for work or pleasure. I am keeping my distance from others.						
	I am leaving home regularly. I am NOT keepin	g my distance from others.					
R	esiliency	Please react to the following statements.					

5.	Are v	you	fea	rful	that

Mark only one oval per rov	Mark	only	one	oval	per	row.
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	Yes	Maybe/Unsure	No
you are infected with COVID-19			
you will die from COVID-19			
a close family member will die from COVID-19			

#### 6. Right now do you feel...

Mark only one oval per row.

	Yes	Maybe/Unsure	No
fearful			
helpless			
horrified			

#### 7. Please answer the following questions.

Mark only one oval per row.

	Yes	Maybe/Unsure	No
Are you fearful that you will run out of money if you cannot work for the next 2-3 months?			
Do you usually recover quickly after an illness?			
Do you have any friends you can contact by phone/email/etc. so that you do not feel alone?			

#### 8. How many different prescription medications are you on?

## Disaster Preparedness and Ergonomics

#### 9. Please react to the following statements.

	Agree completely	Agree quite a bit	Agree somewhat	Agree a little bit	Do not agree at all	Don't know / no opinion
I discuss with others the information I get on the COVID-19 pandemic.						
I have an emergency supply kit.						
I have a plan if I get symptoms of COVID- 19.						
I am complying with government recommendations regarding the COVID- 19 pandemic.						
I know people who will help me if I have to self-isolate.						

10. Please indicate the extent to which you agree with each of the following questions about your workspace at home.

Mark only one oval per row.

	Strongly Agree	Agree	Somewhat Agree	Somewhat Disagree	Disagree	Strongly Disagree
My home working environment is free of distractions						
The noise level of my home workspace is acceptable						
The temperature of my home workspace environment is acceptable						
The lighting in my home workspace is acceptable						
My chair is comfortable						
My home workspace has good ergonomics						

Organizational Support

11. Below is a series of statements about how your organization might support you while you are working from home. For each item, first, if your company is doing it, please check the "true" box; if not, leave it blank. (Please also select "true" if your organization doesn't have to reassure you of something because it is obvious.) Second, if you think it is helping or would help, check the "helpful" box; if not leave it blank.

Check all that apply.

	Statement is true	Is or would be helpful
I can (or could) take equipment (e.g. monitors) home from my workplace		
My organization will buy new equipment we need to work from home		
My organization will pay for software we need to work from home		
My organization will pay for some or all of my internet charges		
My organization has reassured me that I will keep my job		
My organization has reassured me that I will continue to be paid		
My organization has reassured me that I can take time off if I'm sick or need to care for dependents		
My organization has reassured me that they understand if my work performance suffers		
My team is continuing to have regular meetings (e.g. via video chat)		
My team is avoiding synchronous communication (e.g. video chat)		
My organization is encouraging staff to touch base regularly with each other		
My team is having virtual social events (e.g. via video chat)		
For most of the day, I work with an open video or audio call to some or all of my team.		

otional Wellbeing	Please react to th	ne following statements.
Someone is keeping high priority work ready and our backlog organized		
My organization is improving documentation of its processes (e.g. how code changes are approved)		
My team uses a build system to automate compilation and testing		
My team is peer reviewing commits, change requests or pull requests (peer code review)		
My team has good work-from-home infrastructure (e.g. source control, VPN, remote desktop, file sharing)		
My organization is encouraging staff to use this time for professional training		
My organization is providing at-home exercise programs		
My organization is providing activities to occupy staff member's children		
My organization is sending food to staff working from home		

Emo

12. Thinking of the 4 weeks (28 days) prior to when you began working from home...

	All of the time	Most of the time	More than half of the time	Less than half of the time	Some of the time	At no time
I felt cheerful and in good spirits						
I felt calm and relaxed						
I felt active and vigorous						
I woke up feeling fresh and rested						
My daily life was filled with things that interest me						

#### 13. Since I began working at home due to the COVID-19 pandemic...

Mark only one oval per row.

	All of the time	Most of the time	More than half of the time	Less than half of the time	Some of the time	At no time
I have felt cheerful and in good spirits						
I have felt calm and relaxed						
I have felt active and vigorous						
I wake up feeling fresh and rested						
My daily life has been filled with things that interest me						

Productivity and Performance Before the Pandemic This block of questions is about the time you spent working in the 4 weeks (28 days) prior to when you began working from home. Select the one response for each question that comes closest to your experience.

## 14. In the 4 weeks before you began working from home...

	All of the time	Most of the time	Some of the time	A little of the time	None of the time
How often was your performance higher than most workers on your job?					
How often was your performance lower than most workers on your job?					
How often did you do no work at times when you were supposed to be working?					
How often did you find yourself not working as carefully as you should?					
How often was the quality of your work lower than it should have been?					
How often did you not concentrate enough on your work?					
How often did concern about the COVID-19 pandemic limit the kind or amount of work you could do?					

15.	How would you compare your overall job performance with the performance of most other workers who have a similar type of job during the 4 weeks (28 days) prior to when you began working from home?
	Mark only one oval.
	You were a lot better than other workers
	You were somewhat better than other workers
	You were a little better than other workers
	You were about average
	You were a little worse than other workers
	You were somewhat worse than other workers
	You were a lot worse than other worker

Productivity and Performance at Home This block of questions is about the time since you began working at home due to the COVID-19 pandemic. Select the one response for each question that comes closest to your experience.

## 16. Since you began working from home...

	All of the time	Most of the time	Some of the time	A little of the time	None of the time
How often was your performance higher than most workers on your job?					
How often was your performance lower than most workers on your job?					
How often did you do no work at times when you were supposed to be working?					
How often did you find yourself not working as carefully as you should?					
How often was the quality of your work lower than it should have been?					
How often did you not concentrate enough on your work?					
How often did concern about the COVID-19 pandemic limit the kind or amount of work you could do?					

17.	How would from home type of job?	, with th	-	•	-	-			•	•	•
	Mark only one oval.										
	You were a lot better than other workers										
	You were somewhat better than other workers										
	You were a little better than other workers										
	O You we	ere abou	t averaç	ge							
	O You we	ere a littl	e worse	than of	ther wo	rkers					
	O You we	ere some	ewhat w	orse tha	an othe	r workei	rs				
	O You we	ere a lot	worse t	han oth	er work	er					
_	erall oductivity How would yours?  Mark only one	ductivity  How would you rate the usual performance of most workers in a job similar to									
	1	2	3	4	5	6	7	8	9	10	
19.	How would		e your	usual j	ob per	formar	nce ove	er the p	ast yea	ar or two	?
	1	2	3	4	5	6	7	8	9	10	

	Mark o	only one	oval.								
		1	2	3	4	5	6	7	8	9	10
Wo	ork Role	es and	Demog	raphic	S						
1.	Whic	h of the	e follow	ing bes	st des	cribes	your ro	ole?			
	Check	all that	apply.								
	A	nalyst									
			Designer								
			or Projec ssurance	_							
		-	Develop	-							
	Other:										
2.		many y lopmer		profes	sional	experi	ience c	lo you	have w	orking	in software
3.	How	many y	ears of	profes	sional	experi	ience c	lo you	have w	orking	from home?
		many y		profes	sional	experi	ience c	lo you	have w	orking	from home?
3.	Му рг		job is:	profes	sional	experi	ence c	lo you	have w	orking	from home?
	Му рг	rimary	job is: ne oval.	profes	sional	experi	ence c	lo you	have w	orking	from home?

25.	How many people live in your home, including you?
26.	How many of the people who live with you are children under the age of 12?
27.	How old are you (in years)?
	Mark only one oval.
	Less than 20
	20-24
	25-29
	30-34
	35-39
	40-44
	45-49
	50-54
	55-59
	60-64
	<u> </u>
28.	What is your gender?
	Mark only one oval.
	Female
	Male
	Non-binary / third gender
	Other:

## 29. In what country do you live?

Mark only one oval.
Afghanistan
Akrotiri
Albania
Algeria
American Samoa
Andorra
Angola
Anguilla
Antarctica
Antigua and Barbuda
Argentina
Armenia
Aruba
Ashmore and Cartier Islands
Australia
Austria
Azerbaijan
Bahamas, The
Bahrain
Bangladesh
Barbados
Bassas da India
Belarus
Belgium
Belize
Benin
Bermuda
Bhutan
Bolivia
Bosnia and Herzegovina
Botswana
Bouvet Island

Brazil
British Indian Ocean Territory
British Virgin Islands
Brunei
Bulgaria
Burkina Faso
Burma
Burundi
Cambodia
Cameroon
Canada
Cape Verde
Cayman Islands
Central African Republic
Chad
Chile
China
Christmas Island
Clipperton Island
Cocos (Keeling) Islands
Colombia
Comoros
Congo, Democratic Republic of the
Congo, Republic of the
Cook Islands
Coral Sea Islands
Costa Rica
Cote d'Ivoire
Croatia
Cuba
Cyprus
Czech Republic
Denmark
Dhekelia
Djibouti

Dominica
Dominican Republic
Ecuador
Egypt
El Salvador
Equatorial Guinea
Eritrea
Estonia
Ethiopia
Europa Island
Falkland Islands (Islas Malvinas)
Faroe Islands
Fiji
Finland
France
French Guiana
French Polynesia
French Southern and Antarctic Lands
Gabon
Gambia, The
Gaza Strip
Georgia
Germany
Ghana
Gibraltar
Glorioso Islands
Greece
Greenland
Grenada
Guadeloupe
Guam
Guatemala
Guernsey
Guinea
Guinea-Bissau

Guyana
Haiti
Heard Island and McDonald Islands
Holy See (Vatican City)
Honduras
Hong Kong
Hungary
Iceland
India
Indonesia
Iran
Iraq
Ireland
Isle of Man
Israel
Italy
Jamaica
Jan Mayen
Japan
Jersey
Jordan
Juan de Nova Island
Kazakhstan
Kenya
Kiribati
Korea, North
Corea, South
Kuwait
Kyrgyzstan
Laos
Latvia
Lebanon
Lesotho
Liberia
Libya

Liechtenstein
Lithuania
Luxembourg
Macau
Macedonia
Madagascar
Malawi
Malaysia
Maldives
Mali
Malta
Marshall Islands
Martinique
Mauritania
Mauritius
Mayotte
Mexico
Micronesia, Federated States of
Moldova
Monaco
Mongolia
Montserrat
Morocco
Mozambique
Namibia
Nauru
Navassa Island
Nepal
Netherlands
Netherlands Antilles
New Caledonia
New Zealand
Nicaragua
Niger
Niger

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Niue	
Norfolk Island	
Northern Mariana Islands	
Norway	
Oman	
Pakistan	
Palestine	
Palau	
Panama	
Papua New Guinea	
Paracel Islands	
Paraguay	
Peru	
Philippines	
Pitcairn Islands	
Poland	
Portugal	
Puerto Rico	
Qatar	
Reunion	
Romania	
Russia	
Rwanda	
Saint Helena	
Saint Kitts and Nevis	
Saint Lucia	
Saint Pierre and Miquelon	
Saint Vincent and the Grenadines	
Samoa	
San Marino	
Sao Tome and Principe	
Saudi Arabia	
Senegal	
Serbia and Montenegro	
Seychelles	

Sierra Leone
Singapore
Slovakia
Slovenia
Solomon Islands
Somalia
South Africa
South Georgia and the South Sandwich Islands
Spain
Spratly Islands
Sri Lanka
Sudan
Suriname
Svalbard
Swaziland
Sweden
Switzerland
Syria
Taiwan
Tajikistan
Tanzania
Thailand
Timor-Leste
Togo
Tokelau
Tonga
Trinidad and Tobago
Tromelin Island
Tunisia
Turkey
Turkmenistan
Turks and Caicos Islands
Tuvalu
Uganda
Ukraine

	United Arab Emirates
	United Kingdom
	United States
	Uruguay
	Uzbekistan
	Vanuatu
	Venezuela
	Vietnam
	Virgin Islands
	Wake Island
	Wallis and Futuna
	West Bank
	Western Sahara
	Yemen
	Zambia
	Zimbabwe
30.	What is the highest level of education you have completed?
	Mark only one oval.
	PhD or equivalent
	Masters degree or equivalent
	Undergraduate degree or equivalent
	Some post-secondary education
	No post-secondary education

31.	How many employees does your whole organization (not your team) have?
	Mark only one oval.
	0 to 9
	10 to 99
	100 to 999
	1000 to 9999
	10,000 to 99,999
	100,000 or more
32.	Do you have a disability (or disabilities) that affects your work?
	Mark only one oval.
	Yes
	No
	Maybe
	Prefer not to answer
Op	pen Responses
33.	Is there anything else your employer is or could be doing to help while you are working from home?
	Working from nome.

34.	Has your employer done anything that made working from home more difficult?
35.	Is there anything else you want to tell us about how the COVID-19 pandemic has affected you or your team?
36.	Is there anything else you would like to tell us about productivity?
37.	What open source project or organization should we donate to?

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