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Warm regards,

Shuvam Singh

	1	2	3	4	5	
Not Likely	0	0	0	•	0	Extremely Likely
What is the issue/	problem the	at you wan	t to solve ι	ısing AI?*		
Testing after impler oroken after changi	•	-	_	•		nctions for example are
How well do you ι	understand	the proble	m/issue? A	nd what do	o you mear	n you want to use Al
for that issue/prob	olem?					
Not sure						
		indicates	not likely a	t all and 5	indicates ex	xtremely likely, how
On a scale of 1 to	5, where 1				software de	evelonment
comfortable are y			technologie	es into the	oonmaro a	ovolopinon.
comfortable are y			technologie 3	es into the	5	
On a scale of 1 to comfortable are yellow department? Not Likely	ou with inte	grating AI				Extremely Likely
comfortable are y department?	ou with inte	grating AI	3			

example while refactoring code.

	1	2	3	4	5	
Not Likely	0	•	0	0	0	Extremely Likely
Elaborating in aborevent potential stands	software vu	Inerabilitie	s and secu	rity threats		e AI to anticipate and
			-			xtremely likely, how a delivery speed?
	1	2	3	4	5	
		\circ	\bigcirc	•	\bigcirc	Extremely Likely

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Giving error messages while implementing. Knowing the code well so you can't miss something for

			•			* tremely likely, how * lopment department
	1	2	3	4	5	
Not Likely	0	0	0	•	0	Extremely Likely
Expanding in aboryour current work adoption and use Auto Refactoring or testing or warning y	flow, and wi ? auto updatir	hat suppor	t or resour	ces would	you need to	
Any feedback or f	urther sugg	estion?				

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On a scale of 1 to potential impact d	·		•		indicates e	xtremely likely, What *
	1	2	3	4	5	
Not Likely	0	0	0	0	•	Extremely Likely
What is the issue, Explain/Describe Co I haven't considered	ode; Quickly	-				ernative solutions in ways
for that issue/prob	olem? are very help					n you want to use Al * not only for writing but
On a scale of 1 to comfortable are y department?			_			xtremely likely, how * evelopment
	1	2	3	4	5	
Not Likely	0	0	\circ	•	0	Extremely Likely

People might get to faulty	o reliant on .	Al and may	be too lazy t	o properly o	check if any	generated code could be
On a scale of 1 to effective are Al dr			•		indicates e	extremely likely, how
	1	2	3	4	5	
Not Likely	\bigcirc	0	0	•	0	Extremely Likely
Elaborating in abo	ove Likert s	cale questi	ion, Would	it be possi	ble to utiliz	e Al to anticipate and
orevent potential s	software vu	Ilnerabilitie	s and secu lata than we	rity threats	? How? n can possil	re AI to anticipate and oly consider ourselves.
Probably. Those too They may not be ab	software vuols are traine le to predict	Ilnerabilitie d on more of future issue indicates	s and seculata than wees, but secul	rity threats as a humanity concerns t all and 5	? How? In can possil Is of the pas Indicates e	oly consider ourselves.
Probably. Those too They may not be ab	software vuols are traine le to predict	Ilnerabilitie d on more of future issue indicates	s and seculata than wees, but secul	rity threats as a humanity concerns t all and 5	? How? In can possil Is of the pas Indicates e	oly consider ourselves. t should be covered well extremely likely, how

Expanding in above Likert scale question, Could AI streamline repetitive and time-consuming * tasks, enhancing overall speed and efficiency? What kind of tasks does AI is most useful for in your workflow?

100%. Copilot is great for simple and repetitive tasks that dont require a deep understanding of business logic. And its also super helpful in explaining existing code at least on a technical level

On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely likely, how effective do you think integrating AI technologies into the software development department would be?

1 2 3 4 3

Not Likely C Extremely Likely

Expanding in above Likert scale question, How effective do you think AI tool would be for your current workflow, and what support or resources would you need to facilitate the adoption and use?

Copilot, Chatgpt. At the moment those cover what we need. As for other resources related to that: I guess users need to know how to prompt for the results they desire

Any feedback or further suggestion?

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	I aster	Thesis:	Interview	for	Software	Develo	pment D)е
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	1	2	3	4	5		
Not Likely	\bigcirc	0	0	0	•	Extremely Likely	
What is the issue	/problem th	at you war	t to solve ι	using AI? *			
	enhanced us		•	_		change logs, enhanced ource code reviews,	
How well do you ut		the proble	m/issue? A	and what do	o you mear	n you want to use Al	
I don't understand t	he question.						
	5 where 1		_			xtremely likely, how evelopment	
comfortable are y		egrating Al					
comfortable are y		egrating AI	3	4	5		
On a scale of 1 to comfortable are y department? Not Likely	ou with inte		3	4	5	Extremely Likely	

	1	2	3	4	5	
Not Likely	0	0	0	0	•	Extremely Likely
Elaborating in abo prevent potential s res. By Al based au	software vu	Inerabilitie		•		e AI to anticipate and
			-			xtremely likely, how delivery speed?
enective do you ti				4	5	
enective do you ti	1	2	3	4	3	

Yes. See above. Testing notes, test cases, change log entries, ticket descriptions...

would be?	4	0	2	4	F	
	1	2	3	4	5	
Not Likely	0	\circ	\circ	\circ	•	Extremely Likely
your current workf	flow, and w	•	•	•		tool would be for facilitate the
	flow, and w	•	•	•		

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On a scale of 1 to potential impact d			-		indicates e	xtremely likely, What	*
	1	2	3	4	5		
Not Likely	0	0	0	•	0	Extremely Likely	
What is the issue/					al purpose c	code.	
for that issue/prob		the proble	m/issue? <i>P</i>	and what do	o you mear	you want to use Al	*
I expect AI to be fas replacing certain pa software or from sta	rts, like clas	s definition:	s. I would ei	ther copy co	de from diff		
On a scale of 1 to	5, where 1	indicates	not likely a	t all and 5 i	indicates e	xtremely likely, how	*
comfortable are yed	ou with inte	grating AI	technologi	es into the	software d	evelopment	
	1	2	3	4	5		
Not Likely	0	0	0	0	•	Extremely Likely	

Not Likely

Elaborating in above Likert scale question, What challenges and obstacles do you see in integrating AI tools to enhance your performance in development department? - Not having the AI integration for certain IDEs - Increasing cost factor - Privacy issue when exposing a third-party toolt to proprietary code On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely likely, how effective are Al driven software automated testing tools? 5 Not Likely Extremely Likely Elaborating in above Likert scale question, Would it be possible to utilize AI to anticipate and * prevent potential software vulnerabilities and security threats? How? I can imaginge that AI generated code could add certain improved code segments that otherwise might be forgotten. On the other hand not verifying and fixing AI generated code also often introduces bugs and potential security issues. On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely likely, how effective do you think Al tools are to improve work optimization and task delivery speed? 5

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igotimes

Extremely Likely

Expanding in above Likert scale question, Could AI streamline repetitive and time-consuming * tasks, enhancing overall speed and efficiency? What kind of tasks does AI is most useful for in your workflow?

Al is really good at generating boilerplate code even when still including bugs, it's faster to verify and fix the Al code than to write the code manually.

On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely likely, how effective do you think integrating AI technologies into the software development department would be?

1 2 3 4 5

Not Likely C Extremely Likely

Expanding in above Likert scale question, How effective do you think AI tool would be for your current workflow, and what support or resources would you need to facilitate the adoption and use?

A lot of IDEs have plugins that make it easy to include certain AI tools, making it easy to integrate the AI.

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	1	2	3	4	5		
Not Likely	0	0	0	•	0	Extremely Likely	
What is the issue	problem th	at you wan	t to solve u	sing AI? *			
Automated Testing,	Code docur	nentation, a	nd generatio	on of genera	ıl purpose co	ode	
for that issue/prok	olem?	·			•	a you want to use Al	
On a scale of 1 to	•		•			ktremely likely, how evelopment	
department?		2	3	4	5		
•	1	۷					
•	1	0	0	•	0	Extremely Likely	

	1	2	3	4	5	
Not Likely	0	0	0	•	0	Extremely Likely
Elaborating in abo		•	·	•		e AI to anticipate and
If AI has the comple regarding the featur			ase and als	o if you are a	able to prom	pt as detailed as possible
	nink Al tools	s are to im	orove work	optimization	on and task	xtremely likely, how a delivery speed?
On a scale of 1 to effective do you the	•		•			•

On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely likely, how effective do you think integrating AI technologies into the software development department would be?						
	1	2	3	4	5	
Not Likely	0	0	0	0	•	Extremely Likely
Expanding in above Likert scale question, How effective do you think AI tool would be for your current workflow, and what support or resources would you need to facilitate the adoption and use? focusing on human first AI adaptation i.e., AI tool is to assist human power not replace them. Identifying users that would be most suitable to utilize the tools and providing appropriate training						
Any feedback or f	urther sugg	estion?				

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