AI on Software Dev from Manager View - Export Version

Survey Flow

Standard: Consent Form (1 Question)
Standard: Instructions (1 Question)
Block: 1. Demographics (5 Questions)
Standard: 2. Impact to Developers (?) (4 Questions)
Standard: 3. Impact of Managers (7 Questions)
Standard: 4. Job Market (2 Questions)

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Page Break ———

Q32 **Informed Consent:** Please read this consent form carefully before you decide to participate in this study. **Consent Form Key Information:** 1. Participate in a 10–15-minute survey about your experience as a software manager in relation to AI. 2. No information regarding your identity will be connected to your responses. 3. Completion of this study rewards participants with a $15 Amazon gift card. **Purpose of the research study:** Through this research, we will examine the effect of AI on the software development practice, particularly from the position of software managers. Objective 1: Examine the effect of AI on the software development process from the vantage of a top-down managerial perspective. Objective 2: Provide software companies with new insights into their AI adoption practices and address the concerns of managers regarding this process. Objective 3: Enrich current literature on the empirical examination of the impact of AI on software development practices. **What you will do in the study:** Taking part in this study involves completing a Qualtrics survey that will take 10-15 minutes. Participants can stop the survey at any time. **Time required:** The study will require 10-15 minutes. **Risks:** There are no anticipated risks in this study. **Benefits:** Completion of this survey rewards a $15 Amazon gift card. **Redeeming your reward:** At survey completion, a verification code will be displayed. Participants must copy and paste their code into email and send it to **[REDACTED]**. This independent staff member of will monitor the email account and oversee reward distribution. This person's name and email address can be found again in the "Contact Information" section below. Expect rewards to be sent out in around two weeks following survey submission and your email. **Confidentiality:** Survey responses are confidential. The staff member responsible for reward distribution is restricted from accessing any data collected from the survey. Likewise, the researchers in charge of this study and subsequent data analysis will be restricted from all participant information involved with the reward process. Participants' identities will not be connected back to their respective responses. **Voluntary participation:** Your participation in the study is completely voluntary. **Right to withdraw from the study:** You have the right to withdraw from the study at any time without penalty. **How to withdraw from the study:** If you want to withdraw from the study, please exit out of the survey. **Contact information:** If you have questions about the study or need to report a study related issue, feel free to contact us directly or the Institutional Review Board. **[CONTACT INFORMATION REDACTED]** **Agreement:** By clicking 'next' on this survey, you consent to participate. We appreciate your time in completing this form. Thank you in advance.

Q31
Please complete the following questions to the best of your ability.

All questions are required, unless marked otherwise.   Elaboration is highly encouraged.

Q1 What is your gender?

○ Male (1)

○ Female (2)

○ Non-binary / third gender (3)

○ Prefer not to say (4)

Q2 What is your age range?

▼ 18 - 24 (1) ... 65+ (6)

Q3 What is your company size range?

▼ Less than 1,000 (ex: Grammarly) (1) ... I'm not sure (7)

Q24 What is your role?

○ Product manager (1)

○ Project / program manager (2)

○ Software development manager (3)

○ Other - please specify (4)

_____

Q4 How long have you been working as a manager?

○ Years (1) _____

○ Months (2) _____

Q10 How much do you or other leadership encourage your team to use AI, if at all?

▼ None at all (1) ... A great deal (5)

Q11 How has AI impacted the following software metrics?

Number of coding bugs (6)	▼ Strongly decrease (1) ... Strongly Increase (5)
Test coverage range (7)	▼ Strongly decrease (1) ... Strongly Increase (5)
Deployment cycle time (8)	▼ Strongly decrease (1) ... Strongly Increase (5)
Number of support tickets (9)	▼ Strongly decrease (1) ... Strongly Increase (5)
Product building cost (10)	▼ Strongly decrease (1) ... Strongly Increase (5)
Number of vulnerabilities and exposures (11)	▼ Strongly decrease (1) ... Strongly Increase (5)

Q12 What characteristics in developers will be most valued with the rise of AI? *Please drag and drop to rank the items. If you're happy with the given order, just move one item and place it back to confirm your ranking.*

_____ Ability to ask effective questions (1)
_____ Independent thinking (2)
_____ Fast learner (3)
_____ Curiosity (4)
_____ Communication and collaboration (5)

Q13 In what areas do you see the software development process evolving with the rise of AI?

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End of Block: 2. Impact to Developers (?)

Start of Block: 3. Impact of Managers

Q14 Are you involved in your company's hiring process?

○ Yes (1)

○ No (2)

Display this question:
    If Q14 = 1

Q16 Have you used any form of AI for filtering the applications you receive for job openings?

○ Yes (1)

○ No (2)

Q17 Have you put any skills of AI as a pre-requisite for the roles you're hiring?

○ Yes (1)

○ No (2)

Q27 Has your workload changed with the introduction of AI?

▼ Strongly decrease (1) ... Strongly increase (5)

Q18 How do you use AI in your own personal work, if at all?   *For example: Using AI to improve performance docs, proof check emails, etc.*

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Q19 What are your biggest ethical concerns with the widespread adoption of AI in the software development process, if any?

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Q20 Besides ethical concerns, is there anything else you want to add about your attitude toward AI in the future of the software industry? (*Optional)*

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Q23 How do you think the rise of AI will affect the following aspects of the software development market?

Display this choice:	
If Q14 = 1	

Display this choice:	▼ Strongly decrease (1) ... Strongly Increase (5)
If Q14 = 1	
Compensation (1)	
Competitiveness (2)	▼ Strongly decrease (1) ... Strongly Increase (5)
Retention (3)	▼ Strongly decrease (1) ... Strongly Increase (5)
Number of openings (4)	▼ Strongly decrease (1) ... Strongly Increase (5)

Q21 How else do you think the introduction of AI will affect the software development market?

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End of Block: 4. Job Market