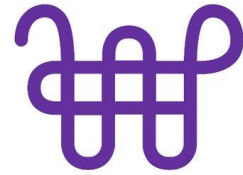


Top 50 DevOps Interview Questions

The following prompts are curated by the team at Woven. Make a copy and edit for your situation to uncover a candidate's ideas about what DevOps means and how it can be applied to your current workflows.



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1. What is the greatest benefit of DevOps?
 2. What are the core principles behind DevOps?
 3. How do you define DevOps culture?
 4. How do you define Continuous Delivery?
 5. What is Lean/Kanban?
 6. What is the difference between Continuous Integration and Continuous Deployment?
 7. What is Infrastructure as Code (IaC)?
 8. How do you automate a release pipeline using Jenkins, Ansible, Salt/Puppet, etc.?
 9. How do you validate your application deployments work successfully?
 10. Who are the stakeholders in DevOps? How does one communicate with them? What are their goals?
 11. Why have DevOps practices become so important/popular over the past 5-10 years?

12. Are there any downsides to implementing DevOps culture & practices within an organization or company? If so, what are they and how can they be mitigated or resolved?

13. What are some examples of automation tools used to implement DevOps principles, such as continuous integration, continuous delivery, infrastructure as code (IaC), automated release pipelines, etc.?

14. If a company wants to adopt the DevOps attitude/culture in addition to its current culture/attitude what would that call for? How can an organization go about adopting this type of change in a way that will benefit the business in the long term?

15. Is there a specific size or industry where organizations have been more likely to start seeing positive results from their shift DevOps culture and practices? If so, what are they?

16. If you had the choice of attending a DevOpsDays event or an AWS Summit, which would you choose and why?

17. What are some common security issues businesses face when implementing DevOps culture & practices? How does DevOps drive increased speed/velocity of application deployment, but also increase risk for organizations?

18. How can one assess their company's business readiness for shifting towards more/all DevOps principles and practices within the organization's technical environment (i.e., server infrastructure, network architecture, ticketing systems)?

19. What is the future of DevOps in terms of frequency/rate at which new technologies will become available or necessary for DevOps to continue progressing?

20. Which high-level business concepts/principles are needed to understand in order to be successful at implementing DevOps principles & practices?

21. What skills and background do senior software developers need to possess in order to successfully implement DevOps culture and practices into their company or organization?

22. How can one identify the right individuals within their organization that would benefit from attending a conference such as DevOpsDays, JenkinsConf, etc.? How can they prepare themselves for this type of learning experience?

23. In your opinion, what is the most significant benefit of implementing a DevOps culture and/or mindset within an organization over the past few years?

24. Is there a specific language/skill set that has proven more beneficial in order to be successful at implementing DevOps principles & practices into an organization or company?

25. What are some common pitfalls companies/organizations face when attempting to adopt DevOps principles and practices within their existing organizational structure? What could they have done differently in order to avoid these pitfalls?

26. How would you describe the difference between Agile and Waterfall?

27. What do you think makes for an effective scrum project manager in relation to productivity, meeting deadlines etc.?

28. What do you think is missing from current DevOps practices and tools today?

29. If we were doing a code review on one of your projects, how would we know if it was done well? What should we look out for while reviewing it?

30. Have you ever had to work with a legacy app or system that was difficult to maintain? How did you handle it?

31. How would your colleagues describe working with you?

32. Have you experienced any issues during DevOps implementation which have been difficult to solve? If so, can you share how you went about resolving them?

33. What are some of the most common challenges your team faces today, and how would you go about addressing them if given the opportunity to do so? How have you brought up these issues in previous jobs or projects?

34. How well does your team work together on a daily basis? Do they share their ideas openly and listen to one another's feedback without getting defensive or argumentative--or is it more of a 'every man/woman for him/herself' dynamic?

35. How would you describe your work style in terms of working with a team vs. completing tasks independently?

36. What steps do you take during an Agile sprint planning session to make sure everyone understands what they will be responsible for by the end of the sprint (e.g., design approach, development milestones etc.)? Do these vary according to whether this is part of Scrum or Kan-style agile methodology teams/projects?

37. Have you worked on a release before and how did it go? What were some of the things that could have gone better about it?

38. Is there anything that would prevent someone from being able to work effectively with an agile team (e.g., remote location)? If so, what are they and what can be done to mitigate them when hiring new people into this role in the future?

39. Describe three DevOps events/projects at your company where collaboration was key to success. How did you lead the collaboration?

40. How do you monitor systems for slowdowns or failures?

41. What is your opinion on the benefits or pitfalls of utilizing a hybrid cloud platform or container technology such as Docker to deploy applications and services in a secure and efficient manner for both Development and Operations teams during the DevOps process?

42. How do you monitor systems for slowdowns or failures?

43. What are the biggest challenges you have faced in your career?

44. What are some strategies for optimizing deployment frequency?

45. How do you ensure that your services are monitored for proper performance, availability, capacity utilization?

46. What is your experience with HAProxy and how would you use it on our infrastructure?

47. Describe how an automated pipeline will fit into a typical development workflow and why it's important to implement one. Who should be responsible for building, testing, deploying, releasing code into production?

48. Do you have experience with any open source software development tools (gitlab, github)? Can you describe how you use them for application development & deployment workflows?

49. Please provide an example where automation was critical in preventing downtime. Please share what type of system it impacted and why automation was so important here.

50. Having worked on a release before, give me two examples of changes you made to the process that helped make it more efficient. How did you measure their impact?