

Thoughtworks Data Engineer Interview Guide – Experienced 3+

1. Phone Screening

- **Focus:** Basic qualifications and experience.
- **Possible Questions:**
 - What is your experience with cloud technologies?
 - Can you explain your experience with Docker and Kubernetes?
 - Describe your work with microservices.
 - What programming languages are you proficient in?

2. Code Pairing Round

- **Duration:** Approximately 90 minutes.
- **Focus:** Coding skills and problem-solving.
- **Details:**
 - Candidates work on coding problems collaboratively.
 - A virtual machine is provided with pre-installed software.
 - Candidates must pass unit tests that are already written.
- **Possible Questions:**
 - Write a PySpark function to read and process data.
 - How would you handle errors in your code?
 - Can you explain how you would optimize your code for performance?
 - Discuss your approach to unit testing in your code.

3. System Design Round

- **Duration:** 1 hour.
- **Focus:** Deep understanding of the candidate's past projects.
- **Possible Questions:**
 - Describe the architecture of your last project.
 - What were the biggest challenges you faced in that project?
 - How did you ensure scalability and reliability in your design?
 - Can you explain the trade-offs you made during the design process?

4. Leadership Round

- **Duration:** 30 minutes (originally scheduled for 1 hour).
- **Focus:** Leadership qualities and teamwork.
- **Possible Questions:**
 - Examples of conflicts with team members and how they were resolved.
 - Instances of significant mistakes and their resolutions.
 - Tasks where the candidate faced failure and lessons learned.
 - Initiatives taken that benefited the company.
 - Discussion of role models and what was learned from them.
 - Reasons for seeking a change in employment.

5. Cultural and Social Responsibility Round

- **Duration:** 1 hour.
- **Focus:** Cultural fit and social awareness.
- **Possible Questions:**
 - Why do you think there is a gender imbalance in tech teams?
 - How would you address social issues like child marriage if given the opportunity?
 - What does social responsibility mean to you in the context of your work?
 - How do you think companies can contribute to social change?

6. HR Round

- **Focus:** Final discussions and offer details.
- **Possible Questions:**
 - What are your salary expectations?
 - Are there any benefits or perks that are particularly important to you?
 - When can you start if selected?
 - Do you have any questions about the company culture or team dynamics?

Glassdoor Thoughtworks Review –

<https://www.glassdoor.co.in/Reviews/PayPal-Reviews-E9848.htm>

Thoughtworks Careers –

<https://careers.pypl.com/home/>

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