6. Effective Screening 🕵️ Questions

CloudEmployee

6.1 Data Engineering

Technical Fundamentals

1. Describe the most complex data pipeline you've built. What were the challenges and how did you solve them?

2. How would you approach optimizing a slow-running SQL query?

3. What's your approach to ensuring data quality in pipelines?

Technology-Specific

1. How have you used Airflow (or similar tool) to orchestrate data workflows?

2. Explain your experience with designing data models for warehouses or lakes.

3. How do you handle schema evolution in your data systems?

Problem-Solving

1. Tell me about a time when a data pipeline failed in production. How did you diagnose and fix it?

2. How would you design a system to process 1TB of new data daily with a 30-minute SLA?

3. How do you balance data engineering best practices with business deadlines?

6.2 AI Engineering

⟲ Technical Fundamentals

1. Describe an ML model you've deployed to production. What was challenging about the deployment?

2. How do you approach feature engineering for ML models?

3. What's your process for evaluating model performance and deciding when to retrain?

⟨/⟩ Technology-Specific

1. How have you used TensorFlow/PyTorch in production environments?

2. Tell me about your experience with model serving infrastructure.

3. How do you handle model versioning and reproducibility?

≠ Problem-Solving

1. Describe a time when model performance degraded in production. How did you identify and fix it?

2. How would you design an ML system that needs to make predictions with <100ms latency?

3. How do you balance model complexity with performance requirements?

6.3 Automation Engineering

🔄 Technical Fundamentals

1. Describe the most complex process you've automated. What made it challenging?

2. How do you determine if a process is suitable for automation?

3. What's your approach to handling exceptions in automated processes?

</> Technology-Specific

1. How have you used [specific platform] for enterprise automation?

2. Explain your experience with integrating automation across different systems.

3. How do you measure the ROI of automation initiatives?

≠ Problem-Solving

1. Tell me about a time when automation failed in production. How did you diagnose and fix it?

2. How would you design an automation strategy for a large department with varied processes?

3. How do you balance quick wins with long-term automation architecture?

6.4 No-Code/Low-Code

🔄 Technical Fundamentals

1. Describe the most complex process you've automated. What made it challenging?

2. How do you determine if a process is suitable for automation?

3. What's your approach to handling exceptions in automated processes?

</> Technology-Specific

1. How have you used [specific platform] for enterprise automation?

2. Explain your experience with integrating automation across different systems.

3. How do you measure the ROI of automation initiatives?

≠ Problem-Solving

1. Tell me about a time when automation failed in production. How did you diagnose and fix it?

2. How would you design an automation strategy for a large department with varied processes?

3. How do you balance quick wins with long-term automation architecture?